

78688

Access DB#

LB

## SEARCH REQUEST FORM

14834

Scientific and Technical Information Center

Requester's Full Name: PATEL SUJAKER Examiner #: 77018 Date: 10/25/02  
 Art Unit: 1624 Phone Number 308-4709 Serial Number: 10087715  
 Mail Box and Bldg/Room Location: CM1 4ET Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

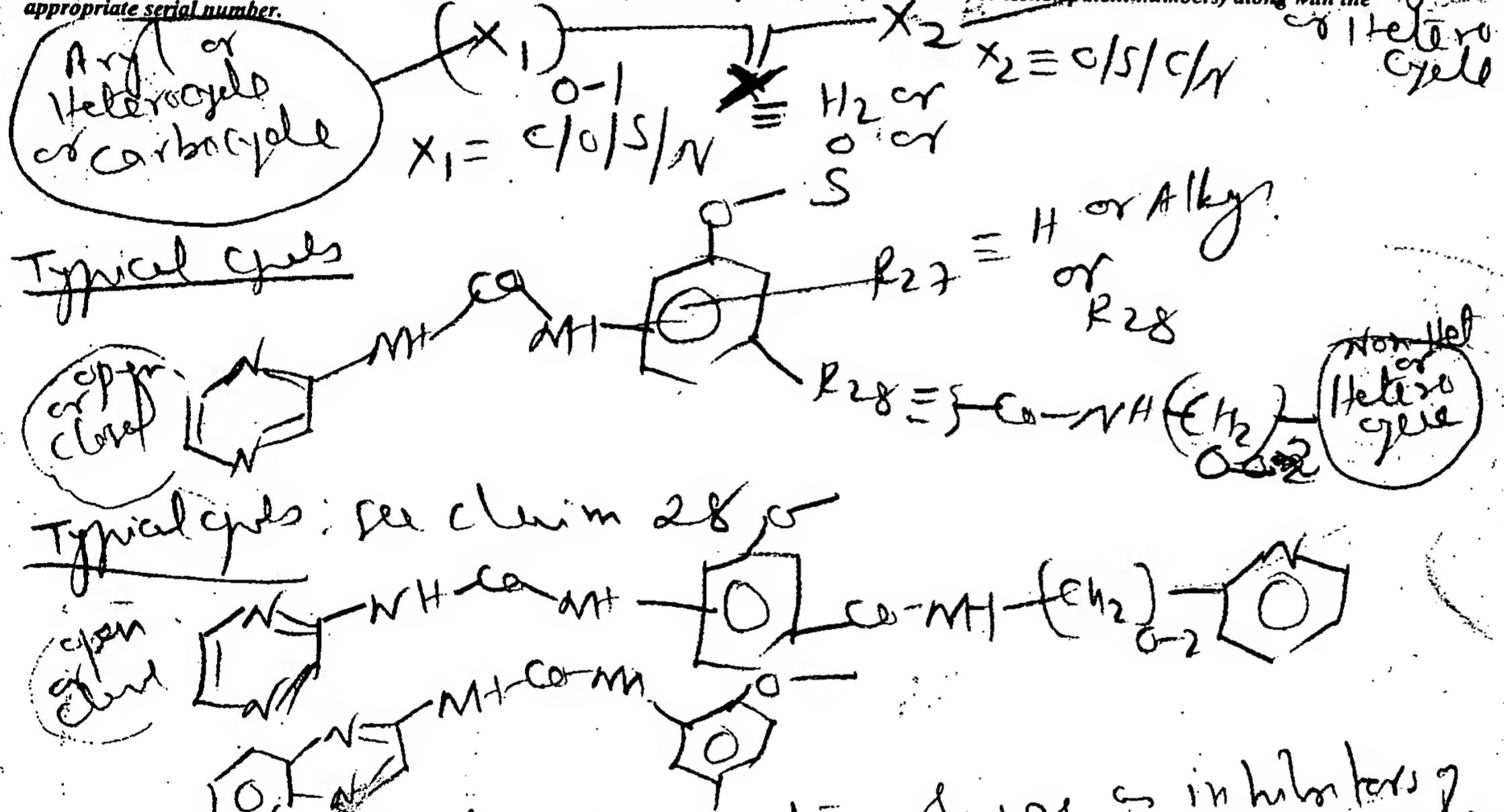
COMPOUNDS USEFUL FOR INHIBITING Chk1

Title of Invention:

Inventors (please provide full names): KATHLEEN S. KEEGAN

Earliest Priority Filing Date: 3/2/2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



=> d his

(FILE 'HCAPLUS' ENTERED AT 12:10:06 ON 07 NOV 2002)  
DEL HIS Y

FILE 'REGISTRY' ENTERED AT 12:10:49 ON 07 NOV 2002  
ACT PATEL087/A

-----  
L1 STR  
L2 564 SEA FILE=REGISTRY SSS FUL L1  
-----  
ACT PATEL087C/A  
-----  
L3 STR  
L4 ( 564) SEA FILE=REGISTRY SSS FUL L3  
L5 STR  
L6 STR  
L7 STR  
L8 95 SEA FILE=REGISTRY SUB=L4 SSS FUL L5 OR L6 OR L7  
-----  
L9 469 S L2 NOT L8

FILE 'HCAPLUS' ENTERED AT 12:11:07 ON 07 NOV 2002

L10 1 S L8  
L11 122 S L9  
L12 242 S CHK1 OR CHK1/AB  
L13 83 S CHECKPOINT KINASE?  
L14 288 S L12 OR L13  
L15 1 S L11 AND L14  
L16 415003 S NEOPLAS? OR CANCER? OR CARCINOMA? OR TUMOR#  
L17 4 S L11 AND L16  
L18 4 S L15 OR L17

=> fil-reg

FILE 'REGISTRY' ENTERED AT 12:17:44 ON 07 NOV 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2002 HIGHEST RN 471238-76-3  
DICTIONARY FILE UPDATES: 6 NOV 2002 HIGHEST RN 471238-76-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d his 11-19

(FILE 'HCAPLUS' ENTERED AT 12:10:06 ON 07 NOV 2002)  
DEL HIS Y

FILE 'REGISTRY' ENTERED AT 12:10:49 ON 07 NOV 2002  
ACT PATEL087/A

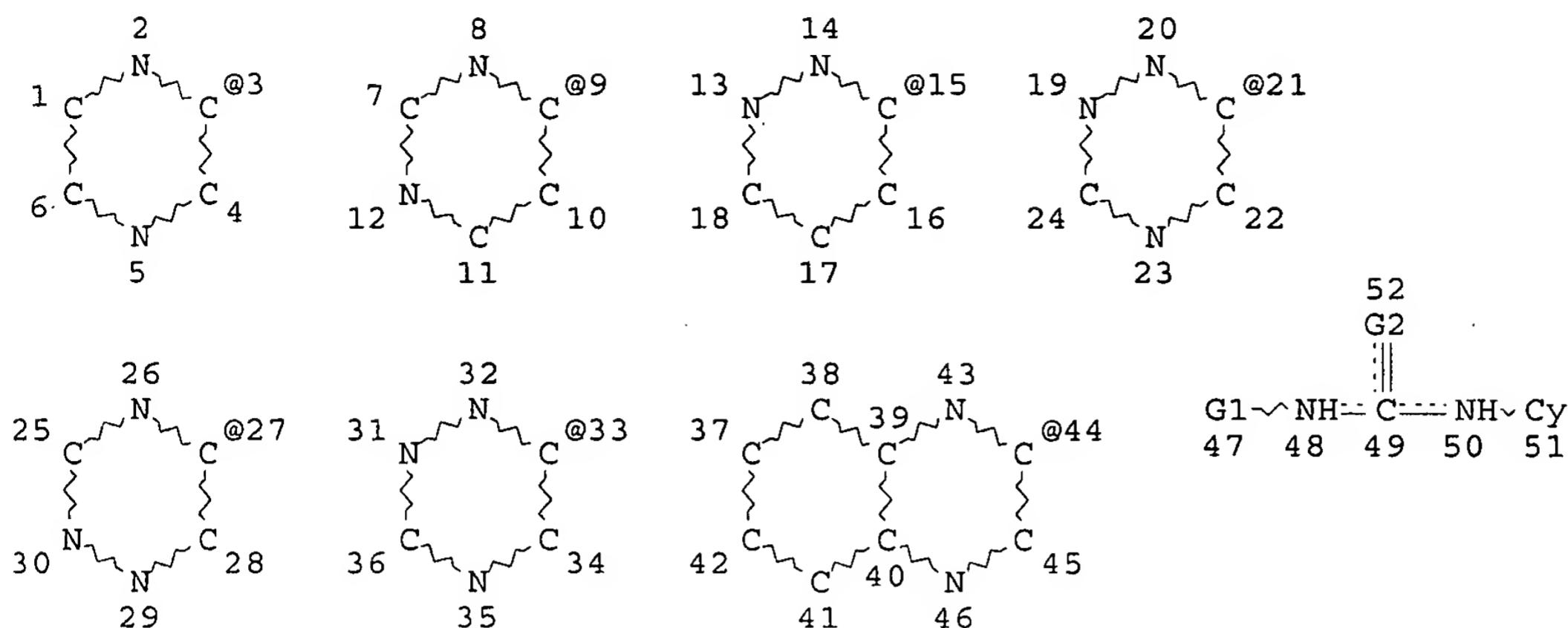
L1 STR  
L2 564 SEA FILE=REGISTRY SSS-FUL L1- -Claim 3. (Claims 1 and 2  
were too broad to search)  
-----  
ACT PATEL087C/A  
-----

L3 STR  
L4 ( 564) SEA FILE=REGISTRY SSS FUL L3  
L5 STR  
L6 STR  
L7 STR

L8 95 SEA FILE=REGISTRY SUB=L4 SSS FUL L5 OR L6 OR L7  
-----  
L9 469 S L2 NOT L8

=> d que stat12  
'STAT12' IS NOT VALID HERE

=> d que-stat 12  
L1 STR



VAR G1=3/9/15/21/27/33/44

VAR G2=O/S

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 51

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE

L2 564 SEA FILE=REGISTRY SSS FUL L1

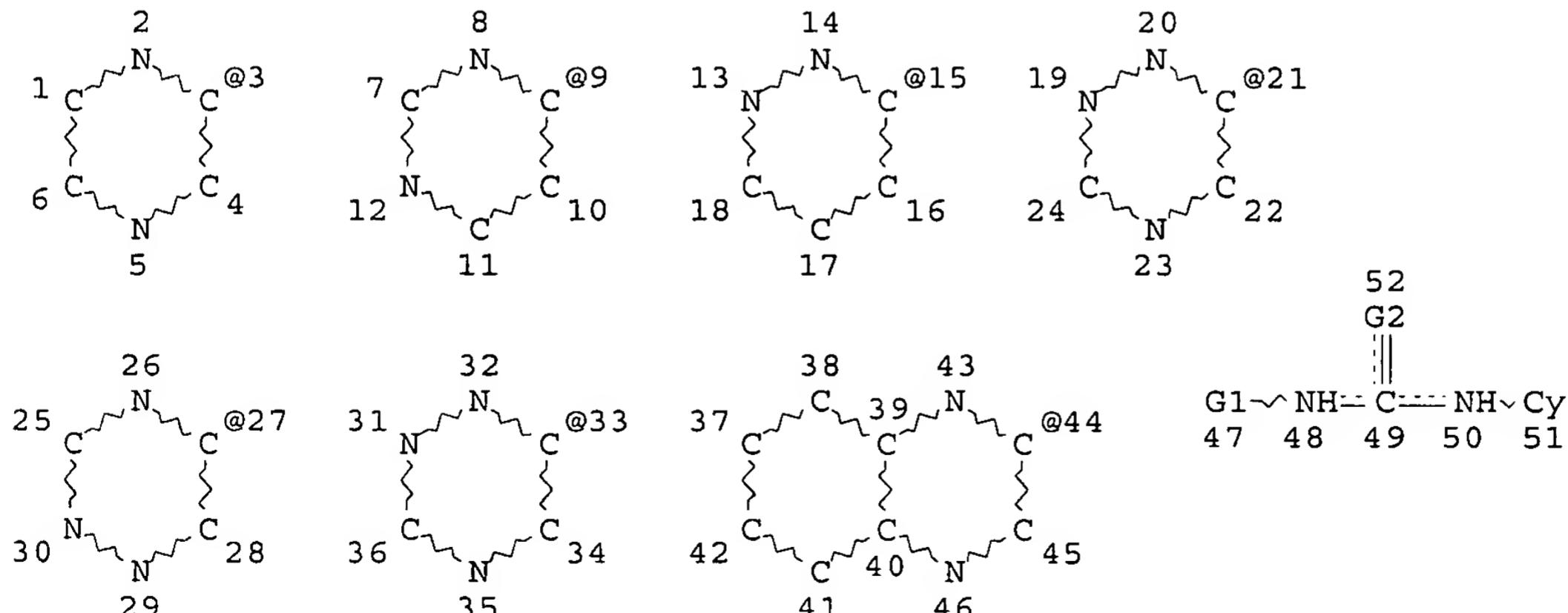
100.0% PROCESSED 6622 ITERATIONS

SEARCH TIME: 00.00.05

564 ANSWERS

=&gt; d que stat 18;d his 19

L3 STR



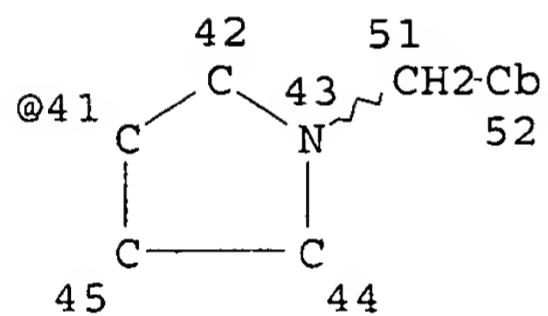
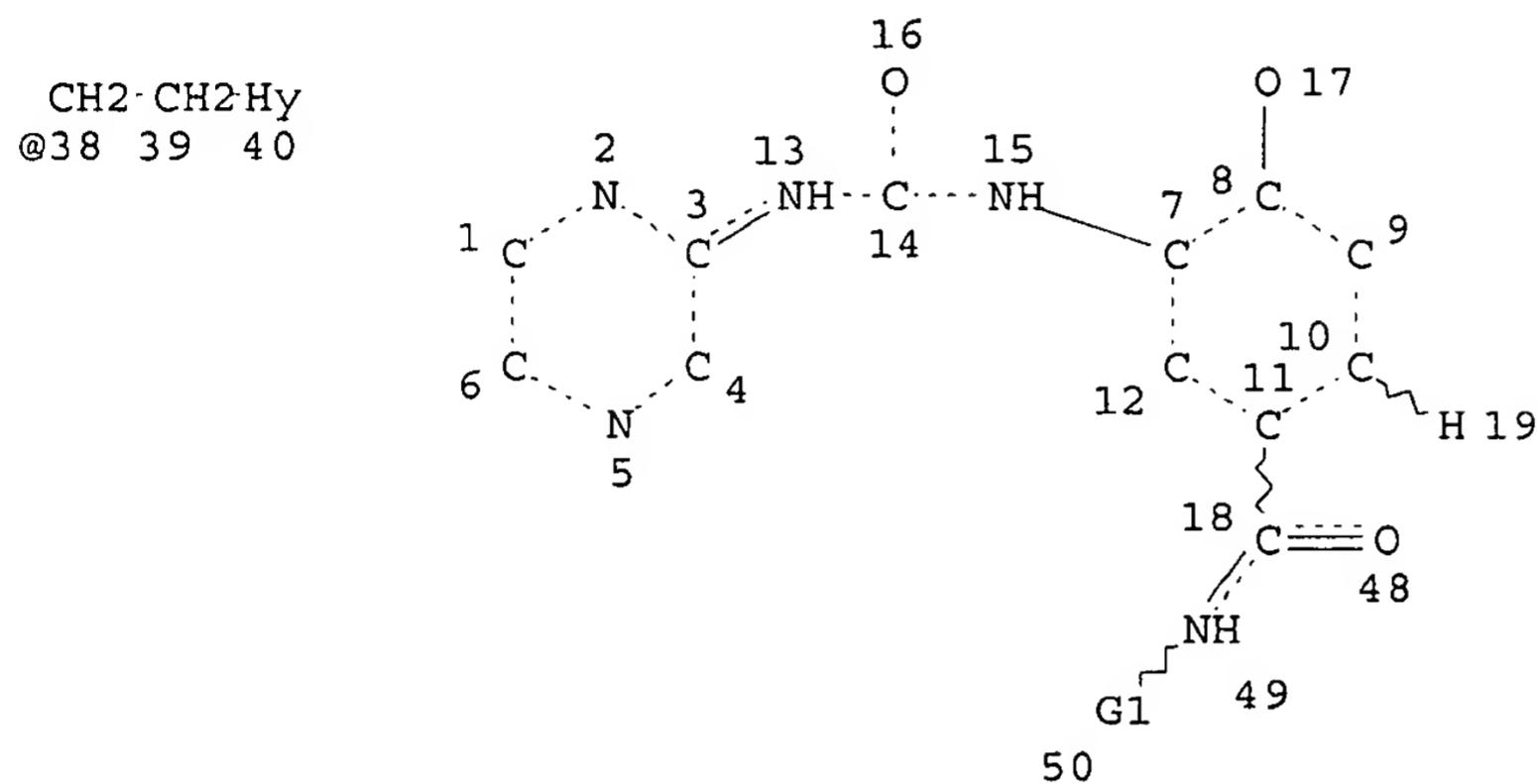
VAR G1=3/9/15/21/27/33/44

VAR G2=O/S

NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 GGCAT IS MCY UNS AT 51  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RSPEC I  
 NUMBER OF NODES IS 52

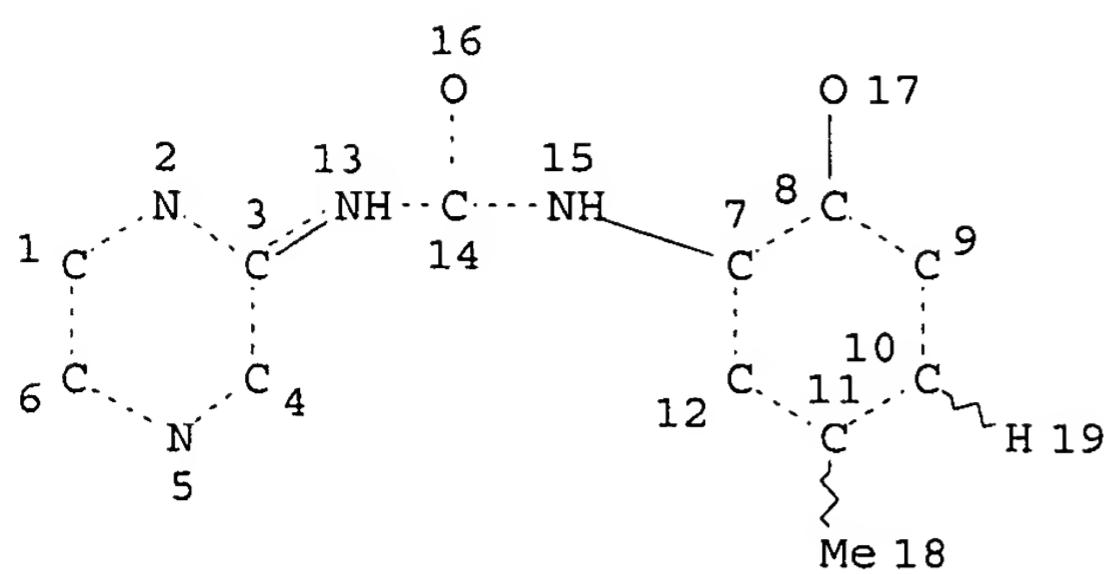
STEREO ATTRIBUTES: NONE  
 L4 ( 564) SEA FILE=REGISTRY SSS FUL L3  
 L5 STR



VAR G1=38/41  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 GGCAT IS MCY UNS AT 40  
 GGCAT IS MCY UNS AT 52  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS E5 C E1 N AT 40

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 32

STEREO ATTRIBUTES: NONE  
 L6 STR



NODE ATTRIBUTES:

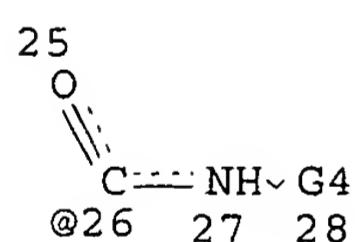
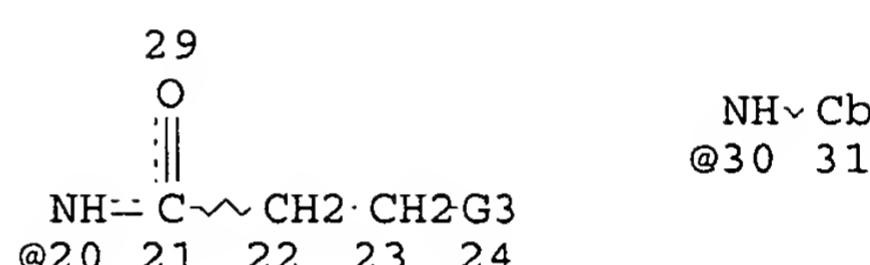
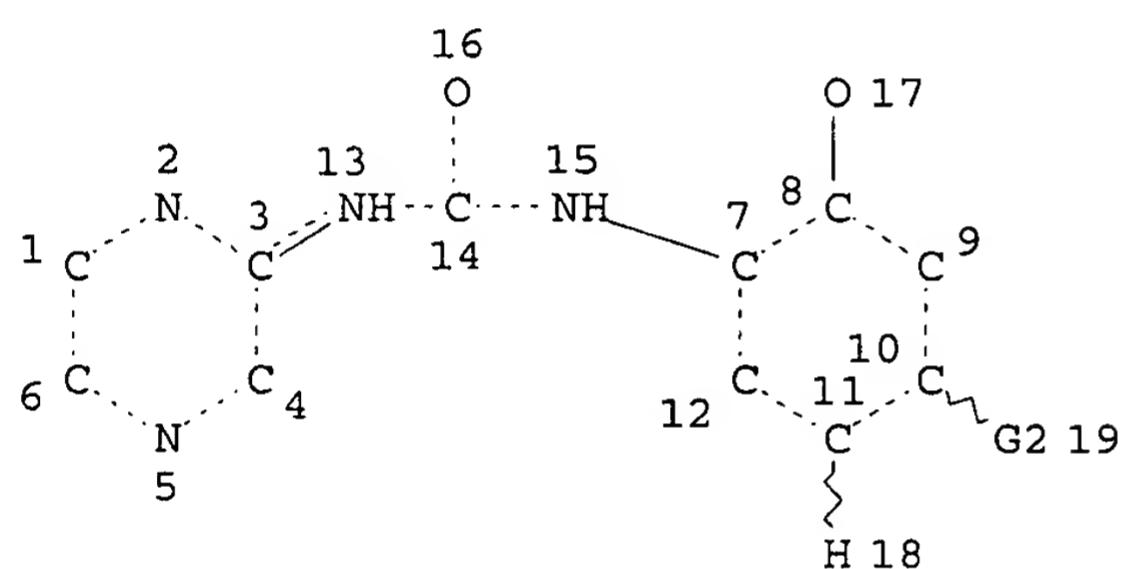
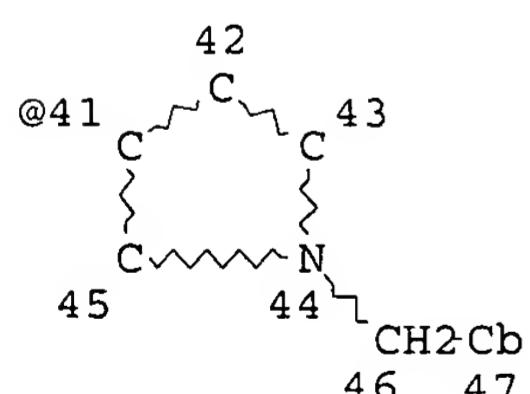
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L7 STR

Me~N~Cb  
32 @33 34Me~N~~Me  
35 @36 37CH2-CH2-Hy  
38 39 40VAR G2=20/26  
VAR G3=30/33/36  
VAR G4=38/41NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
GGCAT IS MCY SAT AT 31

GGCAT IS MCY SAT AT 34  
GGCAT IS MCY UNS AT 40  
GGCAT IS MCY UNS AT 47  
DEFAULT ECLEVEL IS LIMITED  
ECOUNT IS E5 C AT 31  
ECOUNT IS E6 C AT 34  
ECOUNT IS E5 C E1 N AT 40

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 47

STEREO ATTRIBUTES: NONE

L8 95 SEA FILE=REGISTRY SUB=L4 SSS FUL L5 OR L6 OR L7

100.0% PROCESSED 175 ITERATIONS  
SEARCH TIME: 00.00.04

95 ANSWERS

1,2,3 cover claim 28

(FILE 'REGISTRY' ENTERED AT 12:10:49 ON 07 NOV 2002)

L9 469 S L2 NOT L8

=> fil hcplus  
FILE 'HCPLUS' ENTERED AT 12:18:14 ON 07 NOV 2002  
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FILE COVERS 1907 - 7 Nov 2002 VOL 137 ISS 19  
FILE LAST UPDATED: 6 Nov 2002 (20021106/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.  
'OBI' IS DEFAULT SEARCH FIELD FOR 'HCPLUS' FILE

=> d his l10-

(FILE 'HCPLUS' ENTERED AT 12:11:07 ON 07 NOV 2002)  
L10 1 S L8  
L11 122 S L9

L12 242 S CHK1 OR CHK1/AB  
 L13 83 S CHECKPOINT KINASE?  
 L14 288 S L12 OR L13  
 L15 1 S L11 AND L14  
 L16 415003 S NEOPLAS? OR CANCER? OR CARCINOMA? OR TUMOR#  
 L17 4 S L11 AND L16  
 L18 4 S L15 OR L17

FILE 'REGISTRY' ENTERED AT 12:17:44 ON 07 NOV 2002

FILE 'HCAPLUS' ENTERED AT 12:18:14 ON 07 NOV 2002

=> d .ca hitstr l10 1;d .ca hitstr l18 104

L10 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:695962 HCAPLUS  
 DOCUMENT NUMBER: 137:232680  
 TITLE: Preparation of aryl and heteroaryl urea selective Chk1  
 inhibitors for use as radiosensitizers and  
 chemosensitizers for treating diseases and conditions  
 related to DNA damage or lesions in DNA replication  
 INVENTOR(S): Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John  
 Joseph; Cook, Adam Wade; Cowen, Scott Douglas;  
 Burgess, Laurence Edward  
 PATENT ASSIGNEE(S): Icos Corporation, USA  
 SOURCE: PCT Int. Appl., 236 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002070494	A1	20020912	WO 2002-US6452	20020301
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-273124P P 20010302

OTHER SOURCE(S): MARPAT 137:232680

AB Aryl- and heteroaryl substituted urea compds. (W'NHC(:Y')N(R13)Z'; 1)  
 useful in the treatment of diseases and conditions related to DNA damage  
 or lesions in DNA replication are disclosed. In 1, W' is a six-membered  
 arom. ring contg. at least 2 nitrogen atoms (e.g. pyrazinyl, pyrimidinyl,  
 pyridazinyl, 1,2,4-triazinyl, quinoxalinyl) and optionally substituted as  
 defined in the claims, Z' is a five- or six membered arom. or heteroarom.  
 ring as defined in the claims, Y' is O or S. The first claim contains a  
 much more general formula WX1C(:Y)X2Z (e.g. X1 = null, O, S, CH2, NR1; X2  
 = O, S, NR1) but emphasis is on 1. Methods of making the compds., and  
 their use as therapeutic agents, for example, in treating cancer and other  
 diseases characterized by defects in DNA replication, chromosome  
 segregation, or cell division also are described. Although the methods of  
 prepn. are not claimed, about 200 example preps. are included.  
 N-(2-methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea and N-(4-chloro-2-

methoxyphenyl)-N'-(2-pyrazinyl)urea enhanced the killing of various human cells by 5-fluorouracil from 2- to 10-fold; in HeLa cells, these same compds. enhanced killing by irradn. 2-3 fold.

IC ICM C07D241-20  
 ICS C07D401-12; C07D403-12; C07D241-54; A61K031-4965; A61K031-498;  
 A61P035-00; C07D405-12; C07D251-22; C07D231-40; C07D239-46;  
 C07D253-06; C07D239-42; C07D257-06; C07D213-75; C07D277-48

CC 28-19 (Heterocyclic Compounds (More Than One Hetero Atom))  
 Section cross-reference(s) : 1

IT 457096-68-3P, 1-(2-Methoxy-5-nitrophenyl)-3-(pyrazin-2-yl)urea  
 457096-69-4P, 1-(5-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea  
 457096-71-8P, (S)-1-(2,2,2-Trifluoroethanoyl)pyrrolidine-2-carboxylic acid  
 [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide 457096-74-1P,  
 1-(2-Methoxy-4-nitrophenyl)-3-(pyrazin-2-yl)urea 457096-75-2P,  
 1-(4-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea 457096-78-5P,  
 3-Chloro-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide  
 457097-32-4P, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoic acid  
 457097-53-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid  
 457099-26-2P, 1-(6-Azidopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-29-5P, 1-(5-Bromopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-31-9P, 1-[5-(1,3-Dioxo-1,3-dihydroisoindol-2-ylmethyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea  
 457099-45-5P, 1-(5-Benzoylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-67-1P, 1-(4-Aminomethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (intermediate; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT 196868-94-7P, N-(4-Chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea  
 457096-65-0P, 1-[2-(1,1-Difluoromethoxy)phenyl]-3-(pyrazin-2-yl)urea  
 457096-67-2P, 1-(2-Methylsulfanylphenyl)-3-(pyrazin-2-yl)urea  
 457096-70-7P, N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]succinamic acid 457096-72-9P, (S)-Pyrrolidine-2-carboxylic acid  
 [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide 457096-73-0P,  
 N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]methanesulfonamide  
 457096-77-4P, C-Dimethylamino-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]acetamide trifluoroacetate 457096-79-6P,  
 N-(4-((3-(Cyclohexyl(methyl)amino)propanoyl)amino)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 457096-80-9P, 3-(Cyclohexyl(methyl)amino)-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide trifluoroacetate  
 457096-81-0P, 3-(Cyclopentylamino)-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide 457096-82-1P, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoic acid 457096-85-4P, N-Butyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-86-5P, 1-[4-[(Benzylmethylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457096-87-6P,  
 N-Benzyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-89-8P,  
 3-Methoxy-N-phenethyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-90-1P,  
 3-Methoxy-N-(3-phenylpropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide  
 457096-92-3P, N-(2-(Benzenesulfonyl)ethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-95-6P, N-(4-Iodobenzyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-97-8P 457096-99-0P  
 , 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-yl)ethyl)benzamide  
 457097-01-7P, N-(1H-Benzimidazol-2-ylmethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-04-0P 457097-05-1P, 3-Methoxy-N-[3-(methylphenylamino)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-08-4P 457097-10-8P, N-((3R)-1-Benzylpyrrolidin-3-

y1)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-13-1P,  
 N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-16-4P, N-(2-Dimethylaminoethyl)-3-methoxy-N-  
 methyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-18-6P,  
 3-Methoxy-N-(3-methylaminopropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-21-1P, N-(3-Dimethylaminopropyl)-3-methoxy-4-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-23-3P, N-(3-Dimethylaminopropyl)-3-methoxy-N-  
 methyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-25-5P,  
 3-Methoxy-N-(3-(morpholin-4-yl)propyl)-4-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-27-7P, 3-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-4-(3-(pyrazin-  
 2-yl)ureido)benzamide 457097-29-9P, [2-[3-Methoxy-4-(3-(pyrazin-2-  
 yl)ureido)benzoylamino]ethyl]trimethylammonium chloride 457097-35-7P,  
 N-Butyl-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-36-8P,  
 N-Benzyl-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-37-9P,  
 4-Methoxy-N-phenethyl-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-38-0P,  
 4-Methoxy-N-(3-phenylpropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-39-1P, N-(2-(Benzenesulfonyl)ethyl)-4-methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-40-4P, 4-Methoxy-3-(3-(pyrazin-2-  
 yl)ureido)-N-(2-(pyridin-2-yl)ethyl)benzamide 457097-41-5P,  
 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-yl)ethyl)benzamide  
 457097-42-6P, N-(1H-Benzimidazol-2-ylmethyl)-4-methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-43-7P, N-[2-(1H-Indol-3-yl)ethyl]-4-methoxy-3-(  
 3-(pyrazin-2-yl)ureido)benzamide 457097-44-8P, 4-Methoxy-N-[3-(  
 methylphenylamino)propyl]-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-45-9P 457097-46-0P, N-(2-Dimethylaminoethyl)-4-methoxy-N-  
 methyl-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-47-1P,  
 4-Methoxy-N-(3-methylaminopropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-48-2P, N-(3-Dimethylaminopropyl)-4-methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-49-3P, N-(3-Dimethylaminopropyl)-4-methoxy-N-  
 methyl-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-50-6P,  
 4-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-51-7P, [2-[4-Methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzoylamino]ethyl]trimethylammonium chloride 457097-52-8P,  
 4-Methoxy-N-(3-(morpholin-4-yl)propyl)-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-57-3P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-  
 (pyridin-2-yl)ethyl)benzamide 457097-59-5P, N-(1-Benzylpiperidin-4-yl)-3-  
 methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-61-9P,  
 N-(3-Dimethylaminopropyl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-63-1P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-(3-(morpholin-4-yl)propyl)benzamide 457097-65-3P,  
 N-(2-(Dimethylamino)-2-phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-68-6P, N-(2-(Dimethylamino)-1-phenylethyl)-3-  
 methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-70-0P,  
 N-(1-Azabicyclo[2.2.2]oct-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-71-1P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-((3R)-1-(pyridin-2-yl)methylpyrrolidin-3-yl)benzamide  
 457097-74-4P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-  
 methylpyrrolidin-3-yl)benzamide 457097-76-6P,  
 N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-77-7P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-((3R)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide  
 457097-79-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-  
 [(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide 457097-81-3P,  
 N-((3R)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-  
 2-yl)ureido]benzamide 457097-83-5P, N-((3S)-1-Benzylpyrrolidin-3-  
 yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-84-6P,  
 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-2-  
 yl)methyl]pyrrolidin-3-yl)benzamide 457097-86-8P, 3-Methoxy-4-[3-(5-  
 methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-3-yl)methyl]pyrrolidin-3-  
 yl)benzamide 457097-87-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-

N-((3S)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide 457097-90-4P,  
 N-((3S)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-92-6P, N-((3S)-1-Benzylpyrrolidin-3-yl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzamide 457097-97-1P, N-(1-Benzylpiperidin-4-ylmethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-98-2P,  
 N-[(3S)-1-(4-Fluorobenzyl)pyrrolidin-3-yl]-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-01-0P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid (3S)-1-benzylpyrrolidin-3-yl ester 457098-04-3P, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-trifluoromethylpyrazin-2-yl)ureido]benzamide 457098-08-7P,  
 5-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)-2-trifluoromethylbenzamide 457098-13-4P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid 457098-17-8P,  
 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzoic acid 457098-21-4P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-n-methylpyrazin-2-yl)ureido]benzamide 457098-22-5P, 3-(3-Dimethylaminopropoxy)-N,N-dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-23-6P,  
 N-Benzyl-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-24-7P, N-Benzyl-3-(3-dimethylaminopropoxy)-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-25-8P,  
 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)benzamide 457098-26-9P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]benzamide 457098-27-0P, N-(2-Dimethylaminoethyl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-28-1P, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-29-2P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-30-5P, N-Methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-31-6P,  
 N-Dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-32-7P, N-Benzyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-33-8P,  
 N-Benzyl-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-34-9P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)-3-(pyridin-3-ylmethoxy)benzamide 457098-35-0P,  
 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]-3-(pyridin-3-ylmethoxy)benzamide 457098-36-1P, N-(2-Dimethylaminoethyl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-37-2P 457098-38-3P, 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea 457098-41-8P,  
 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea 457098-42-9P, 1-[5-Methyl-2-(pyridin-3-ylmethoxy)phenyl]-3-(pyrazin-2-yl)urea 457098-43-0P, 1-[5-Methyl-2-[3-(2-oxopyrrolidin-1-yl)propoxy]phenyl]-3-(pyrazin-2-yl)urea 457098-44-1P, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(pyrazin-2-yl)urea 457098-45-2P, 1-[5-Methyl-2-(3-(morpholin-4-yl)propoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-46-3P,  
 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-47-4P, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-48-5P,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-ylmethoxy)phenyl]urea 457098-49-6P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-4-ylmethoxy)phenyl]urea 457098-50-9P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-3-ylmethoxy)phenyl]urea 457098-51-0P,  
 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-52-1P, 1-(5-Methylpyrazin-2-yl)-3-[2-(pyridin-3-ylmethoxy)-5-trifluoromethylphenyl]urea 457098-53-2P, 1-[5-Methyl-2-(6-methylpyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea

**457098-55-4P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (2- (pyridin-2-yl)ethoxy)phenyl]urea **457098-57-6P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (3- (pyridin-2-yl)propoxy)phenyl]urea **457098-59-8P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (3- (pyridin-4-yl)propoxy)phenyl]urea **457098-60-1P**, 1- [2- [2- (Benzylmethylamino)ethoxy] -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-62-3P**, 1- [5-Methyl-2- (1-methylpiperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-64-5P**, 1- [2- [2- (4-Dimethylaminophenyl)ethoxy] -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-66-7P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (3- (pyridin-3-yl)propoxy)phenyl]urea **457098-68-9P**, 1- [2- (2- (Dimethylamino)-1- ((dimethylamino)methyl)ethoxy] -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-70-3P**, 1- [5-Methyl-2- ((2S)-1-methylpyrrolidin-2-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-72-5P**, 1- [2- ((2S)-1-Benzylpyrrolidin-2-ylmethoxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-74-7P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (2-pyrrolidin-1-ylethoxy)phenyl]urea **457098-75-8P**, 1- [5-Methyl-2- [2- (1-methylpyrrolidin-2-yl)ethoxy]phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-76-9P**, 1- [2- (3H-Imidazol-4-ylmethoxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-77-0P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (2- (pyridin-3-yl)ethoxy)phenyl]urea **457098-78-1P**, 1- [5-Methyl-2- (3- (piperidin-1-yl)propoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-79-2P**, 1- [5-Methyl-2- (1-methylpiperidin-4-yloxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-80-5P**, 1- [2- (1-Benzylpiperidin-4-yloxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-81-6P**, 1- [5-Methyl-2- ((3S)-1-methylpiperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-82-7P**, 1- [5-Methyl-2- ((3R)-1-methylpiperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-84-9P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (1- (pyridin-3-yl)ethoxy)phenyl]urea **457098-85-0P**, 1- [5-Methyl-2- (1-methylpiperidin-2-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-86-1P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (tetrahydrofuran-2-ylmethoxy)phenyl]urea **457098-87-2P**, 1- [5-Methyl-2- (1-methylpiperidin-4-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-88-3P**, 1- [5-Methyl-2- (1-methylpiperidin-3-yloxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457098-89-4P**, 1- (5-Methylpyrazin-2-yl) -3- [5-methyl-2- (1,2,3,4-tetrahydroquinolin-3-ylmethoxy)phenyl]urea **457098-92-9P**, 1- [2- (1-Ethyl-1,2,3,4-tetrahydroquinolin-3-ylmethoxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457098-95-2P**, 1- [5-Methyl-2- (1-methylpiperidin-3-ylmethoxy)phenyl] -3- (quinoxalin-2-yl)urea **457098-96-3P**, 1- [5-Methyl-2- (pyridin-3-ylmethoxy)phenyl] -3- (quinoxalin-2-yl)urea **457098-99-6P**, 1- [2- (2- (Aziridin-1-yl)ethoxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457099-00-2P**, 1- [2- (3-Dimethylaminobenzyl)oxy] -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457099-01-3P**, 1- [2- (1-Isopropylpyrrolidin-3-yloxy) -5-methylphenyl] -3- (5-methylpyrazin-2-yl)urea **457099-02-4P**, 1- [5-Methyl-2- (1-methylpyrrolidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-03-5P**, 1- [5-Methyl-2- (piperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-04-6P**, 1- [5-Fluoro-2- (pyridin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-05-7P**, 1- [5-Fluoro-2- (1-methylpiperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-06-8P**, 1- [5-Fluoro-2- (1-methylpiperidin-4-yloxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-07-9P**, 1- [4-Fluoro-2- (pyridin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-08-0P**, 1- [4-Fluoro-2- (1-methylpiperidin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-09-1P**, 1- [4-Fluoro-2- (1-methylpiperidin-4-yloxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-10-4P**, 1- [3,4-Difluoro-2- (pyridin-3-ylmethoxy)phenyl] -3- (5-methylpyrazin-2-yl)urea **457099-11-5P**,

1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-4-yloxy)phenyl]urea  
 457099-12-6P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-3-yloxy)phenyl]urea 457099-15-9P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-yloxy)phenyl]urea 457099-19-3P  
 457099-21-7P, 1-(5,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-22-8P, 1-(2-Methoxy-5-methylphenyl)-3-(5-trifluoromethylpyrazin-2-yl)urea 457099-23-9P,  
 1-(5,6-Diphenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-24-0P, 1-[3-Benzyl-5-(4-methoxyphenyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea 457099-27-3P, 1-(6-Aminopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-28-4P,  
 1-(6-Chloropyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-30-8P, 1-(3,5-Dibromopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-34-2P, 1-(5-Aminomethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-35-3P,  
 1-(2-Methoxy-5-methylphenyl)-3-(6-methoxypyrazin-2-yl)urea 457099-37-5P, 1-(6-Benzylloxypyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-40-0P, 1-(2-Methoxy-5-methylphenyl)-3-(5-methoxypyrazin-2-yl)urea 457099-41-1P, 1-(5-Ethynylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-43-3P,  
 1-(5-Ethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-44-4P, 1-(5-Cyanopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-46-6P, 1-[5-(Hydroxyphenylmethyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea 457099-47-7P, 1-(3-Bromo-5-phenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-48-8P, 1-(2-Methoxy-5-methylphenyl)-3-(5-phenylpyrazin-2-yl)urea 457099-49-9P 457099-50-2P,  
 1-(3,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-53-5P, 1-(2-Methoxy-4-methoxymethylphenyl)-3-(5-methylpyrazin-2-yl)urea 457099-54-6P, 1-(4-Benzylloxymethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea 457099-57-9P, 1-[4-[(Benzylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-60-4P,  
 1-(2-Methoxy-4-[(methylamino)methyl]phenyl)-3-(5-methylpyrazin-2-yl)urea 457099-65-9P, 1-(4-((Dimethylamino)methyl)-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea 457099-68-2P, 1-[2-Methoxy-4-[(thiophen-2-ylmethyl)amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-69-3P,  
 1-[2-Methoxy-4-[(thiophen-3-ylmethyl)amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-70-6P, 1-[4-[(Furan-2-ylmethyl)amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-71-7P, 1-[4-[(Furan-3-ylmethyl)amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-72-8P, 1-[2-Methoxy-4-[(2-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-73-9P, 1-[2-Methoxy-4-[(3-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-74-0P, 1-[2-Methoxy-4-[(4-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-75-1P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-76-2P, 2-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-77-3P,  
 2-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-78-4P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(pyridin-2-yl)acetamide 457099-79-5P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(4-methoxyphenyl)acetamide 457099-80-8P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzamide 457099-81-9P, Pyridine-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide 457099-82-0P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]nicotinamide 457099-83-1P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]isonicotinamide 457099-84-2P, Thiophene-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide 457099-85-3P, 3-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-

yl)ureido]benzyl]benzamide 457099-86-4P 457099-87-5P 457099-88-6P,  
 N- [3-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide  
 457099-89-7P, N- [3-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]benzyl]-2-  
 trifluoromethoxybenzenesulfonamide 457099-90-0P, 3-Methoxy-N- [3-methoxy-  
 4- [3- (5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide  
 457099-91-1P, 4-Methoxy-N- [3-methoxy-4- [3- (5-methylpyrazin-2-  
 yl)ureido]benzyl]benzenesulfonamide 457099-92-2P, Pyridine-2-sulfonic  
 acid 3-methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]benzylamide  
 457099-93-3P, N- (2-Methoxy-3- ((2- (4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-  
 (2-pyrazinyl)urea 457099-94-4P, N- (2-Methoxy-3- ((2- (1-methylpyrrolidin-2-  
 yl)ethyl)carbamoyl)phenyl)-N'- (2-pyrazinyl)urea 457099-95-5P,  
 N- (4- ((2-Chloroethyl)carbamoyl)-2-methoxyphenyl)-N'- (2-pyrazinyl)urea  
 457099-96-6P, N- (2-Methoxy-4- ((2- (4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-  
 (2-pyrazinyl)urea 457099-97-7P, N- (2-Methoxy-4- ((2- (1-methylpyrrolidin-2-  
 yl)ethyl)carbamoyl)phenyl)-N'- (2-pyrazinyl)urea 457099-98-8P,  
 N- (2-Methoxy-4- ((2- ((methylsulfonyl)amino)ethyl)carbamoyl)phenyl)-N'- (2-  
 pyrazinyl)urea 457099-99-9P, N- (3- (Ethyl(methyl)carbamoyl)-2-  
 methoxyphenyl)-N'- (2-pyrazinyl)urea 457100-00-4P  
 N- (2-Methoxy-5-methylphenyl)-N'- (4-pyrimidinyl)urea 457100-01-5P,  
 N- (2-Methoxy-5-methylphenyl)-N'- (1,2,4-triazin-3-yl)urea  
**457100-02-6P**, N- (2-Methoxy-5-methylphenyl)-N'- (6-phenyl-2-  
 pyrazinyl)urea **457100-03-7P**, N- (2-Methoxy-5-methylphenyl)-N'- (2-  
 pyrazinyl)urea **457100-04-8P**, N- (4- ((3-  
 (Dimethylamino)propanoyl)amino)-2-methoxyphenyl)-N'- (2-pyrazinyl)urea  
 458523-51-8P, 3-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]-N- ((3R)-1-  
 [(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use  
 as radiosensitizers and chemosensitizers for treating diseases and  
 conditions related to DNA damage or lesions in DNA replication)

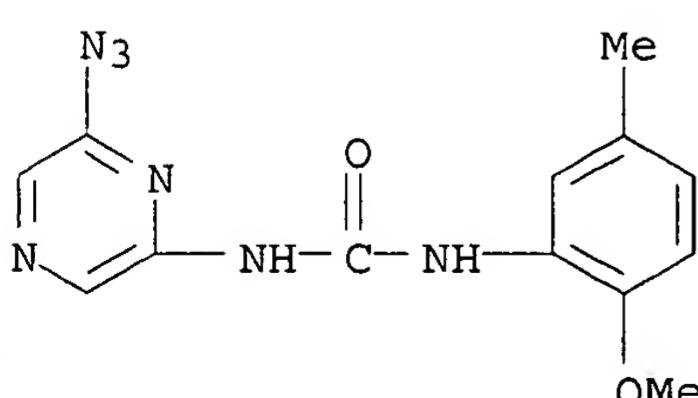
IT **457099-26-2P**, 1- (6-Azidopyrazin-2-yl)-3- (2-methoxy-5-  
 methylphenyl)urea **457099-29-5P**, 1- (5-Bromopyrazin-2-yl)-3- (2-  
 methoxy-5-methylphenyl)urea **457099-31-9P**, 1- [5- (1,3-Dioxo-1,3-  
 dihydroisoindol-2-ylmethyl)pyrazin-2-yl]-3- (2-methoxy-5-methylphenyl)urea  
**457099-45-5P**, 1- (5-Benzoylpyrazin-2-yl)-3- (2-methoxy-5-  
 methylphenyl)urea

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic  
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
 (Preparation); RACT (Reactant or reagent); USES (Uses)

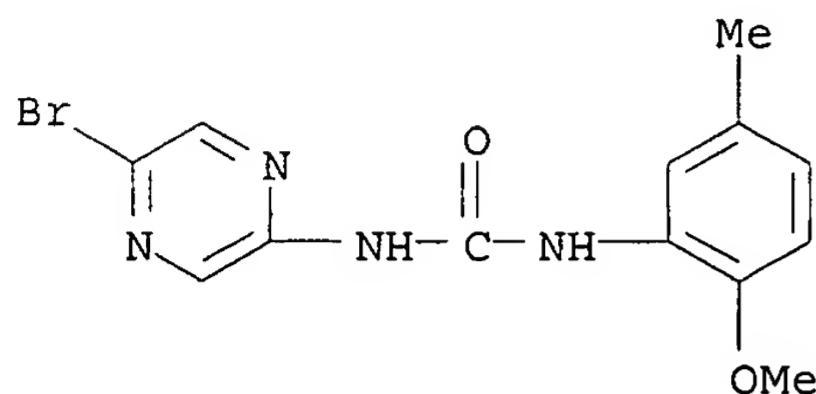
(intermediate; prepn. of aryl and heteroaryl urea selective Chk1  
 inhibitors for use as radiosensitizers and chemosensitizers for  
 treating diseases and conditions related to DNA damage or lesions in  
 DNA replication)

RN 457099-26-2 HCPLUS

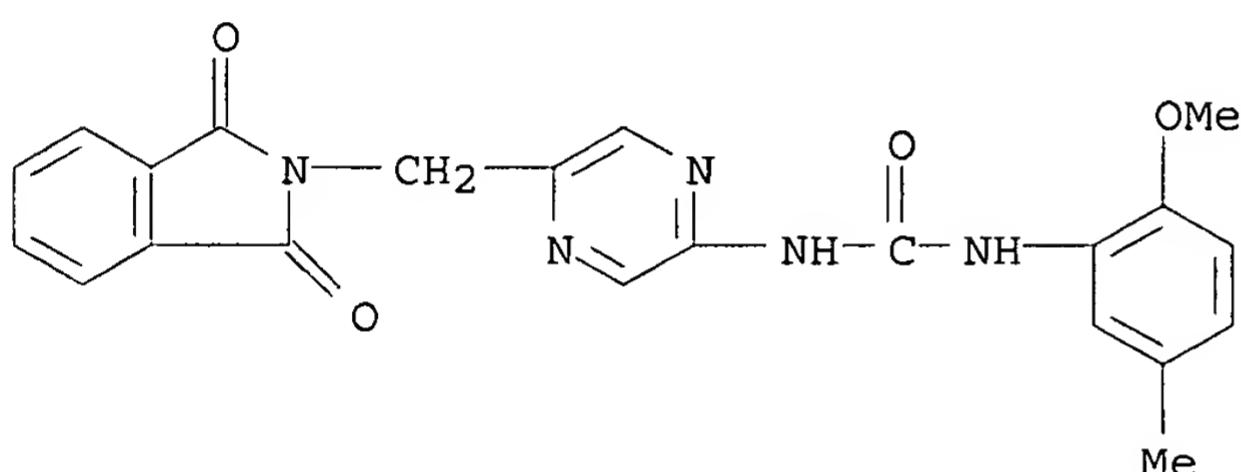
CN Urea, N- (6-azidopyrazinyl)-N'- (2-methoxy-5-methylphenyl)- (9CI) (CA INDEX  
 NAME)



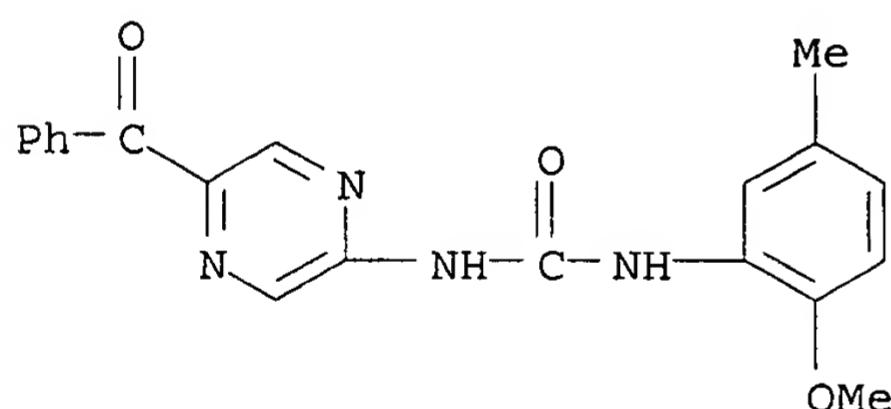
RN 457099-29-5 HCAPLUS  
 CN Urea, N- (5-bromopyrazinyl) -N' - (2-methoxy-5-methylphenyl) - (9CI) (CA INDEX NAME)



RN 457099-31-9 HCAPLUS  
 CN Urea, N- [5- [(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl]pyrazinyl] -N' - (2-methoxy-5-methylphenyl) - (9CI) (CA INDEX NAME)



RN 457099-45-5 HCAPLUS  
 CN Urea, N- (5-benzoylpyrazinyl) -N' - (2-methoxy-5-methylphenyl) - (9CI) (CA INDEX NAME)



IT 457096-79-6P, N- (4- ((3- (Cyclohexyl (methyl) amino) propanoyl) amino) -2-methoxyphenyl) -N' - (2-pyrazinyl) urea 457096-80-9P, 3- (Cyclohexyl (methyl) amino) -N- [3-methoxy-4- (3- (pyrazin-2-yl) ureido) phenyl] propionamide trifluoroacetate 457096-81-0P, 3- (Cyclopentylamino) -N- [3-methoxy-4- (3- (pyrazin-2-yl) ureido) phenyl] propionamide 457096-97-8P 457096-99-0P, 3-Methoxy-4- (3- (pyrazin-2-yl) ureido) -N- (2- (pyridin-4-yl) ethyl) benzamide 457097-08-4P 457097-10-8P, N- ((3R)-1-Benzylpyrrolidin-3-yl) -3-methoxy-4- (3- (pyrazin-2-yl) ureido) benzamide 457097-13-1P, N- ((3S)-1-Benzylpyrrolidin-3-yl) -3-methoxy-4- (3- (pyrazin-2-yl) ureido) benzamide 457097-40-4P, 4-Methoxy-3- (3- (pyrazin-2-yl) ureido) -N- (2- (pyridin-2-yl) ethyl) benzamide 457097-41-5P, 4-Methoxy-3- (3- (pyrazin-2-yl) ureido) -N- (2- (pyridin-4-yl) ethyl) benzamide 457097-45-9P 457097-57-3P, 3-Methoxy-4- [3- (5-

methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)benzamide  
**457097-76-6P**, N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-83-5P**,  
 N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-92-6P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzamide  
**457097-98-2P**, N-((3S)-1-(4-Fluorobenzyl)pyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-04-3P**,  
 N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-trifluoromethylpyrazin-2-yl)ureido]benzamide **457098-28-1P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide  
**457098-37-2P** **457098-38-3P**, 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea **457098-41-8P**,  
 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea **457098-42-9P**, 1-[5-Methyl-2-(pyridin-3-ylmethoxy)phenyl]-3-(pyrazin-2-yl)urea **457098-43-0P**, 1-[5-Methyl-2-[3-(2-oxopyrrolidin-1-yl)propoxy]phenyl]-3-(pyrazin-2-yl)urea  
**457098-44-1P**, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(pyrazin-2-yl)urea **457098-45-2P**, 1-[5-Methyl-2-(3-(morpholin-4-yl)propoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-46-3P**,  
 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-47-4P**, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-48-5P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-ylmethoxy)phenyl]urea **457098-49-6P**,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-4-ylmethoxy)phenyl]urea **457098-50-9P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-3-ylmethoxy)phenyl]urea **457098-51-0P**, 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-53-2P**,  
 1-[5-Methyl-2-(6-methylpyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-55-4P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-yl)ethoxy]phenyl]urea **457098-57-6P**,  
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 1-[2-(2-(Benzylmethylamino)ethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-62-3P**, 1-[5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-64-5P**,  
 1-[2-(2-(4-Dimethylaminophenyl)ethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-66-7P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(3-(pyridin-3-yl)propoxy)phenyl]urea **457098-68-9P**,  
 1-[2-(2-(Dimethylamino)-1-(dimethylamino)methyl)ethoxy]-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-70-3P**, 1-[5-Methyl-2-((2S)-1-methylpyrrolidin-2-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea  
**457098-72-5P**, 1-[2-((2S)-1-Benzylpyrrolidin-2-ylmethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-74-7P**,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(2-pyrrolidin-1-ylethoxy)phenyl]urea **457098-75-8P**, 1-[5-Methyl-2-[2-(1-methylpyrrolidin-2-yl)ethoxy]phenyl]-3-(5-methylpyrazin-2-yl)urea  
**457098-76-9P**, 1-[2-(3H-Imidazol-4-ylmethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-77-0P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(2-(pyridin-3-yl)ethoxy)phenyl]urea **457098-78-1P**,  
 1-[5-Methyl-2-(3-(piperidin-1-yl)propoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-79-2P**, 1-[5-Methyl-2-(1-methylpiperidin-4-yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-80-5P**,  
 1-[2-(1-Benzylpiperidin-4-yloxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-81-6P**, 1-[5-Methyl-2-((3S)-1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-82-7P**,  
 1-[5-Methyl-2-((3R)-1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-84-9P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(1-(pyridin-3-yl)ethoxy)phenyl]urea **457098-85-0P**,

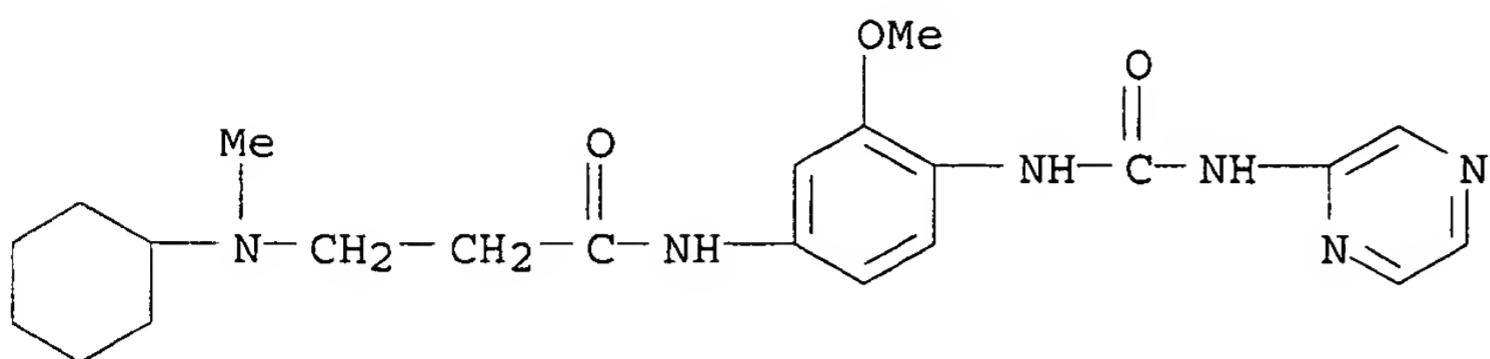
1-[5-Methyl-2-(1-methylpiperidin-2-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-86-1P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(tetrahydrofuran-2-ylmethoxy)phenyl]urea **457098-87-2P**, 1-[5-Methyl-2-(1-methylpiperidin-4-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-88-3P**, 1-[5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457098-89-4P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(1,2,3,4-tetrahydroquinolin-3-ylmethoxy)phenyl]urea **457098-92-9P**, 1-[2-(1-Ethyl-1,2,3,4-tetrahydroquinolin-3-ylmethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457098-95-2P**, 1-[5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(quinoxalin-2-yl)urea **457098-96-3P**, 1-[5-Methyl-2-(pyridin-3-ylmethoxy)phenyl]-3-(quinoxalin-2-yl)urea **457098-99-6P**, 1-[2-(2-(Aziridin-1-yl)ethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-00-2P**, 1-[2-(3-Dimethylaminobenzyl)oxy]-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-01-3P**, 1-[2-(1-Isopropylpyrrolidin-3-yl)oxy]-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-02-4P**, 1-[5-Methyl-2-(1-methylpyrrolidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-03-5P**, 1-[5-Methyl-2-(piperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-11-5P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-4-yl)oxy]phenyl]urea **457099-12-6P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-3-yl)oxy]phenyl]urea **457099-15-9P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-yl)oxy]phenyl]urea **457099-19-3P 457099-21-7P**, 1-(5,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-22-8P**, 1-(2-Methoxy-5-methylphenyl)-3-(5-trifluoromethylpyrazin-2-yl)urea **457099-23-9P**, 1-(5,6-Diphenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-24-0P**, 1-[3-Benzyl-5-(4-methoxyphenyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea **457099-27-3P**, 1-(6-Aminopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-28-4P**, 1-(6-Chloropyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-30-8P**, 1-(3,5-Dibromopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-34-2P**, 1-(5-Aminomethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-35-3P**, 1-(2-Methoxy-5-methylphenyl)-3-(6-methoxypyrazin-2-yl)urea **457099-37-5P**, 1-(6-Benzylloxypyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-40-0P**, 1-(2-Methoxy-5-methylphenyl)-3-(5-methoxypyrazin-2-yl)urea **457099-41-1P**, 1-(5-Ethynylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-43-3P**, 1-(5-Ethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-44-4P**, 1-(5-Cyanopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-46-6P**, 1-[5-(Hydroxyphenylmethyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea **457099-47-7P**, 1-(3-Bromo-5-phenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-48-8P**, 1-(2-Methoxy-5-methylphenyl)-3-(5-phenylpyrazin-2-yl)urea **457099-49-9P 457099-50-2P**, 1-(3,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457100-02-6P**, N-(2-Methoxy-5-methylphenyl)-N'-(6-phenyl-2-pyrazinyl)urea **457100-03-7P**, N-(2-Methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea **457100-04-8P**, N-(4-((3-(Dimethylamino)propanoyl)amino)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea **457100-05-9P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

RN 457096-79-6 HCPLUS  
CN Propanamide, 3-(cyclohexylmethylamino)-N-[3-methoxy-4-

[[(pyrazinylamino)carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



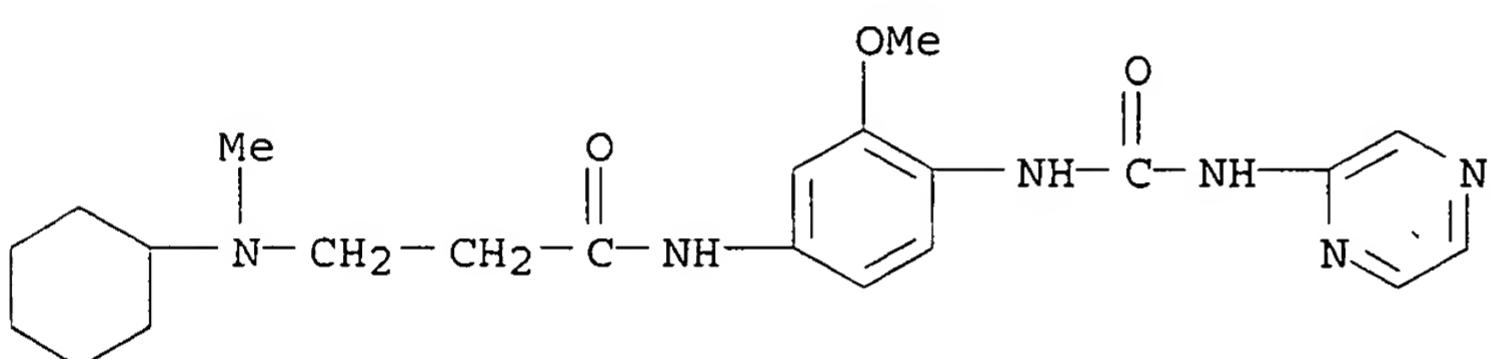
RN 457096-80-9 HCPLUS

CN Propanamide, 3-(cyclohexylmethylamino)-N-[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]phenyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 457096-79-6

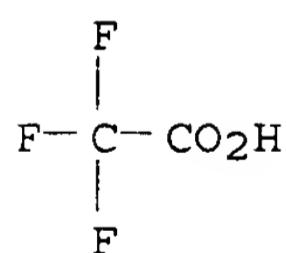
CMF C22 H30 N6 O3



CM 2

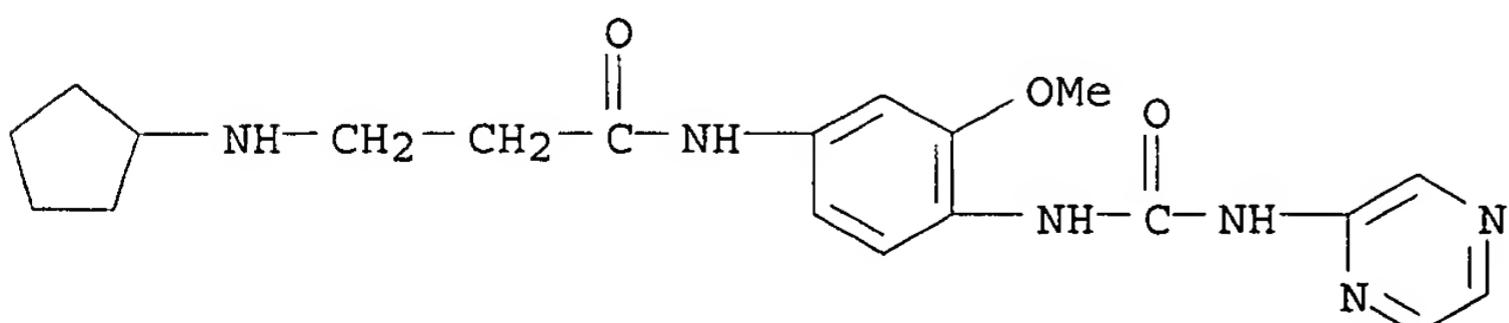
CRN 76-05-1

CMF C2 H F3 O2



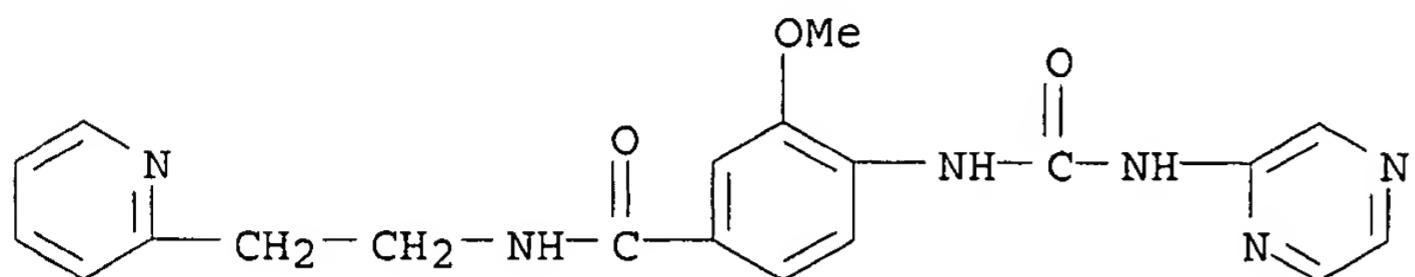
RN 457096-81-0 HCPLUS

CN Propanamide, 3-(cyclopentylamino)-N-[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



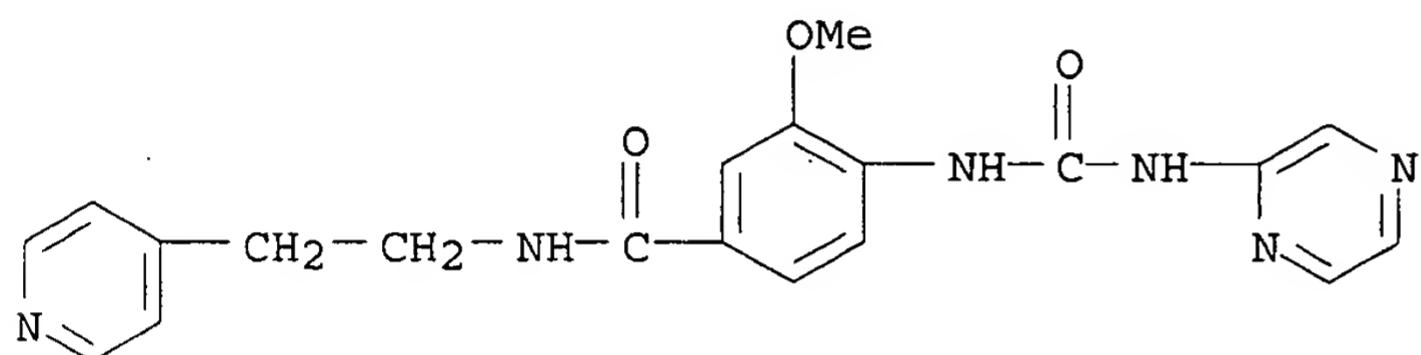
RN 457096-97-8 HCAPLUS

CN Benzamide, 3-methoxy-4-[(pyrazinylamino)carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 457096-99-0 HCAPLUS

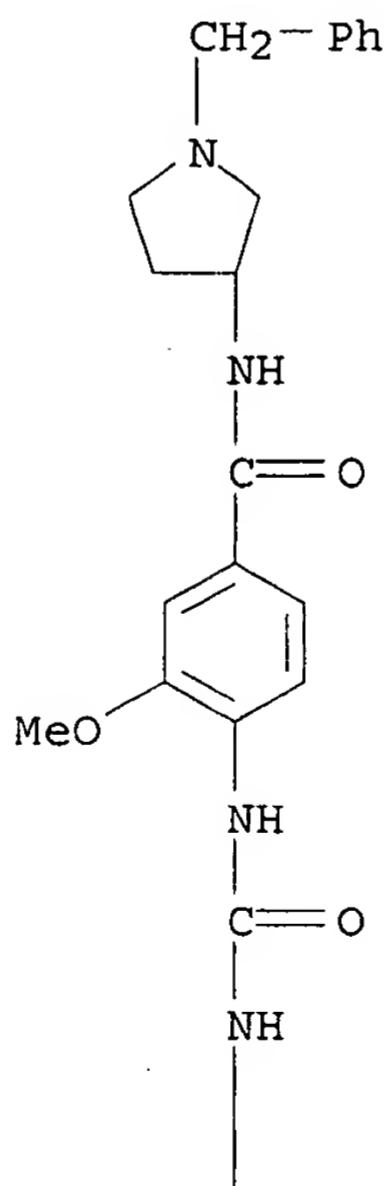
CN Benzamide, 3-methoxy-4-[(pyrazinylamino)carbonyl]amino]-N-[2-(4-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



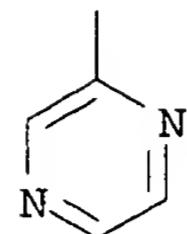
RN 457097-08-4 HCAPLUS

CN Benzamide, 3-methoxy-N-[1-(phenylmethyl)-3-pyrrolidinyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



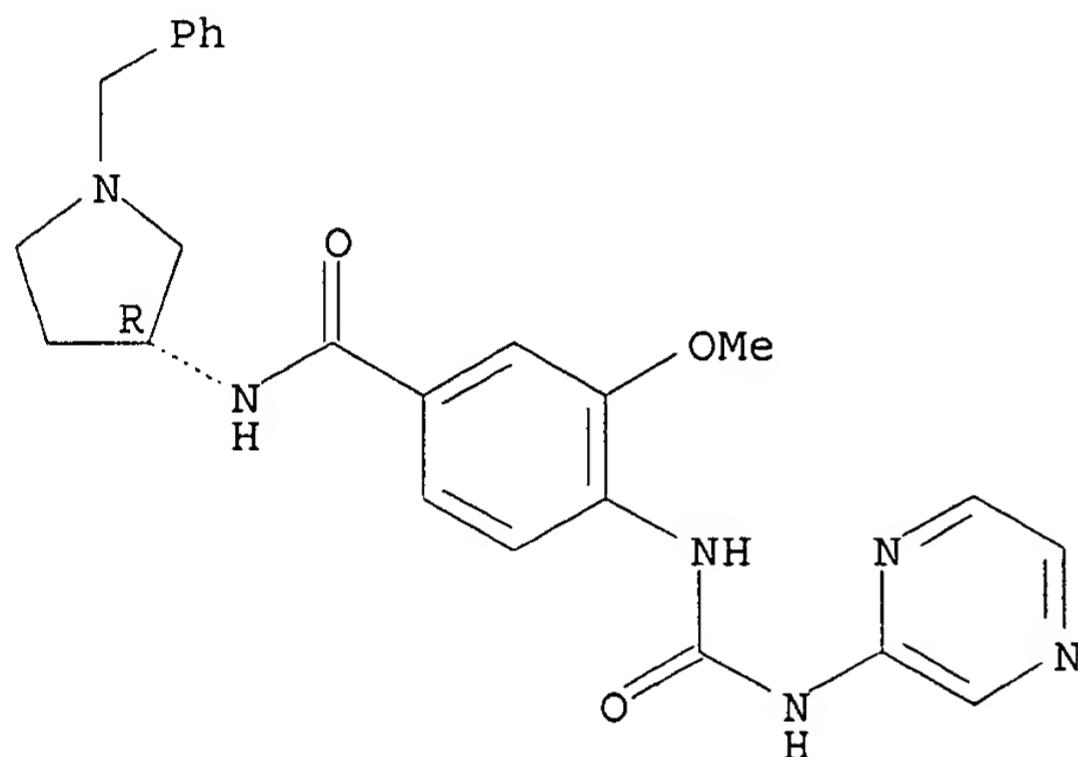
PAGE 2-A



RN 457097-10-8 HCPLUS

CN Benzamide, 3-methoxy-N-[(3R)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

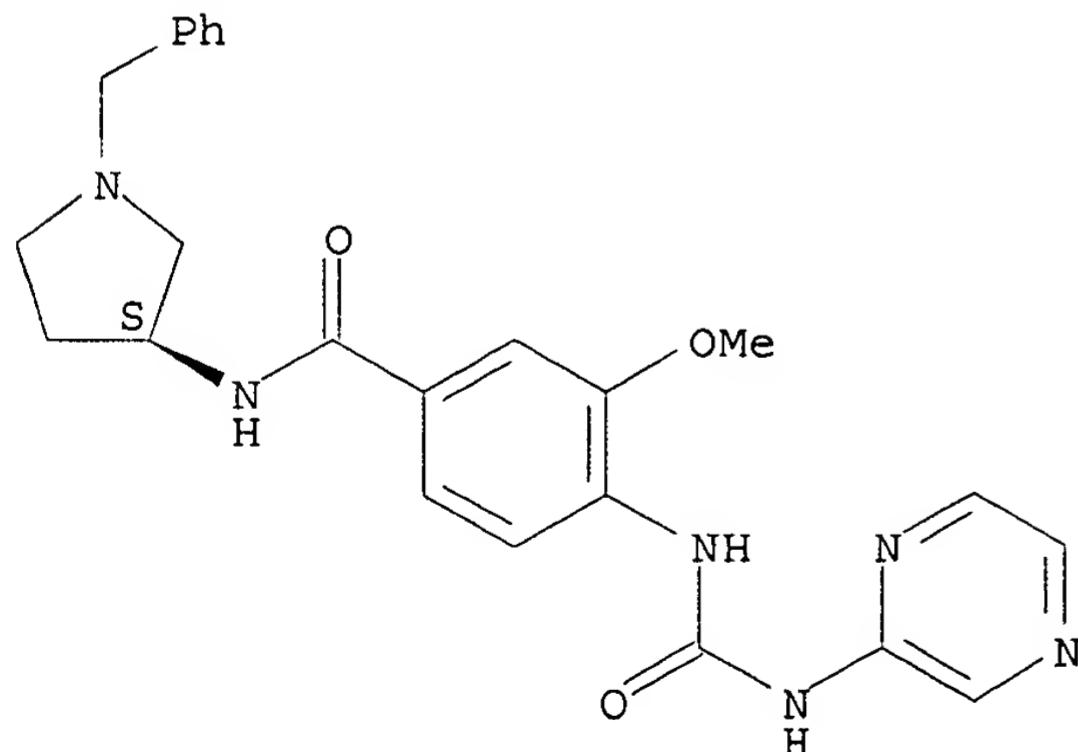
Absolute stereochemistry.



RN 457097-13-1 HCPLUS

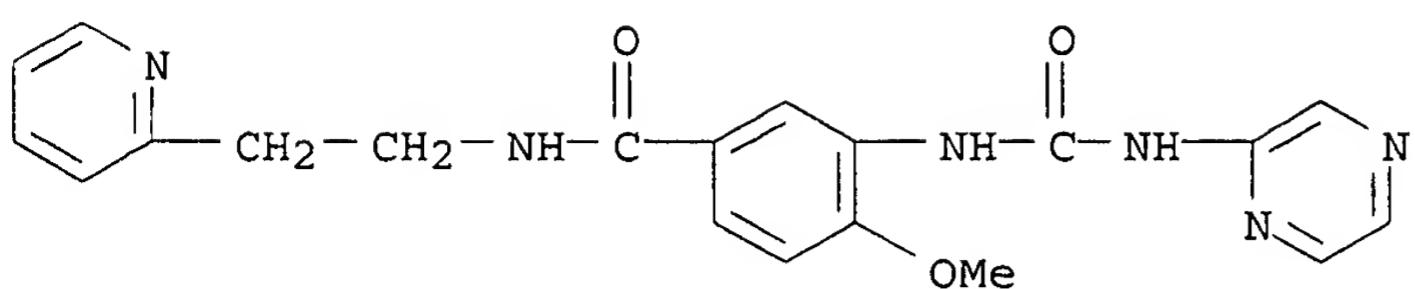
CN Benzamide, 3-methoxy-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

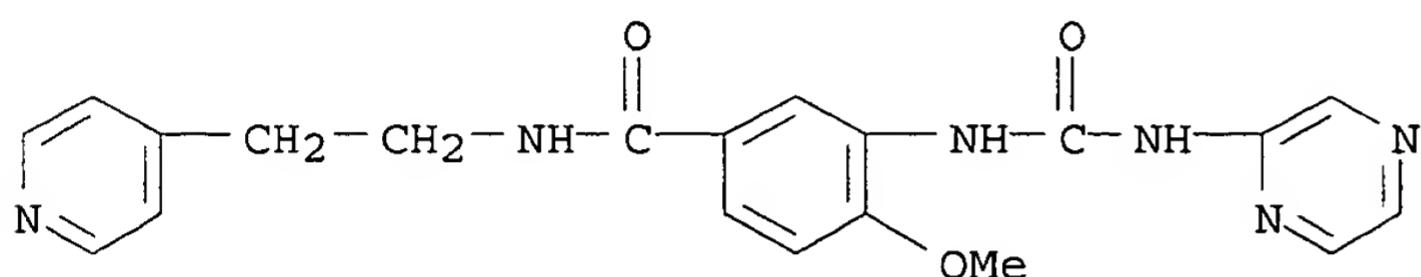


RN 457097-40-4 HCPLUS

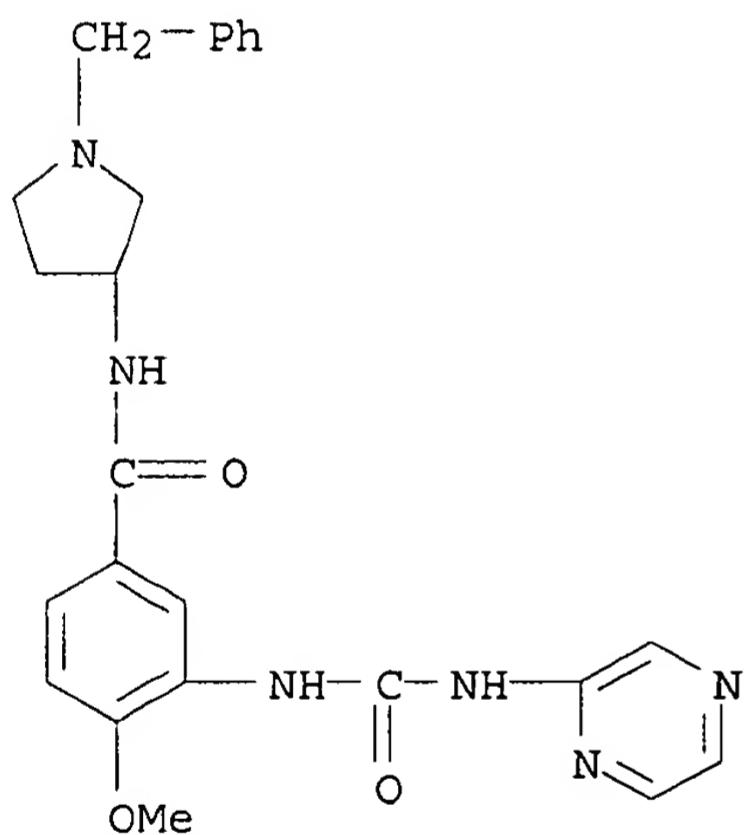
CN Benzamide, 4-methoxy-3-[(pyrazinylamino)carbonyl]amino-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



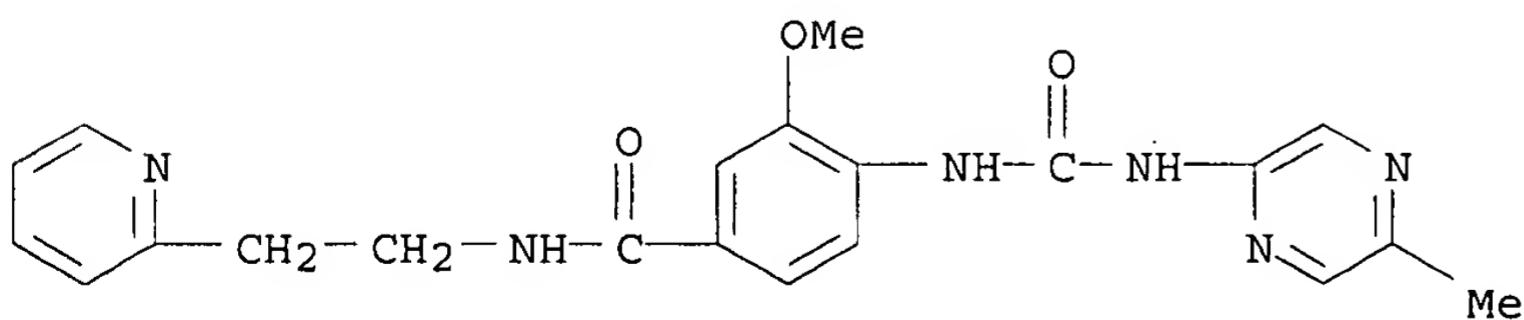
RN 457097-41-5 HCPLUS  
 CN Benzamide, 4-methoxy-3-[(pyrazinylamino)carbonyl]amino-N-[2-(4-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 457097-45-9 HCPLUS  
 CN Benzamide, 4-methoxy-N-[1-(phenylmethyl)-3-pyrrolidinyl]-3-[(pyrazinylamino)carbonyl]amino- (9CI) (CA INDEX NAME)

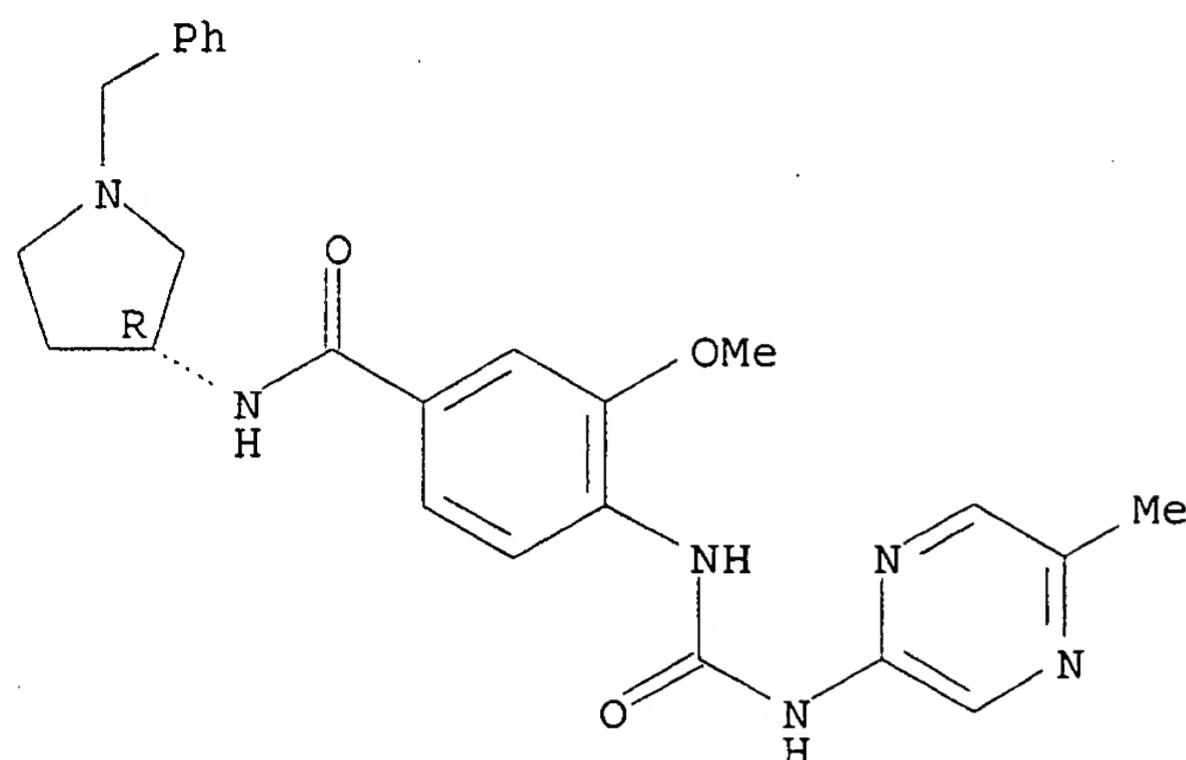


RN 457097-57-3 HCPLUS  
 CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 457097-76-6 HCPLUS  
 CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

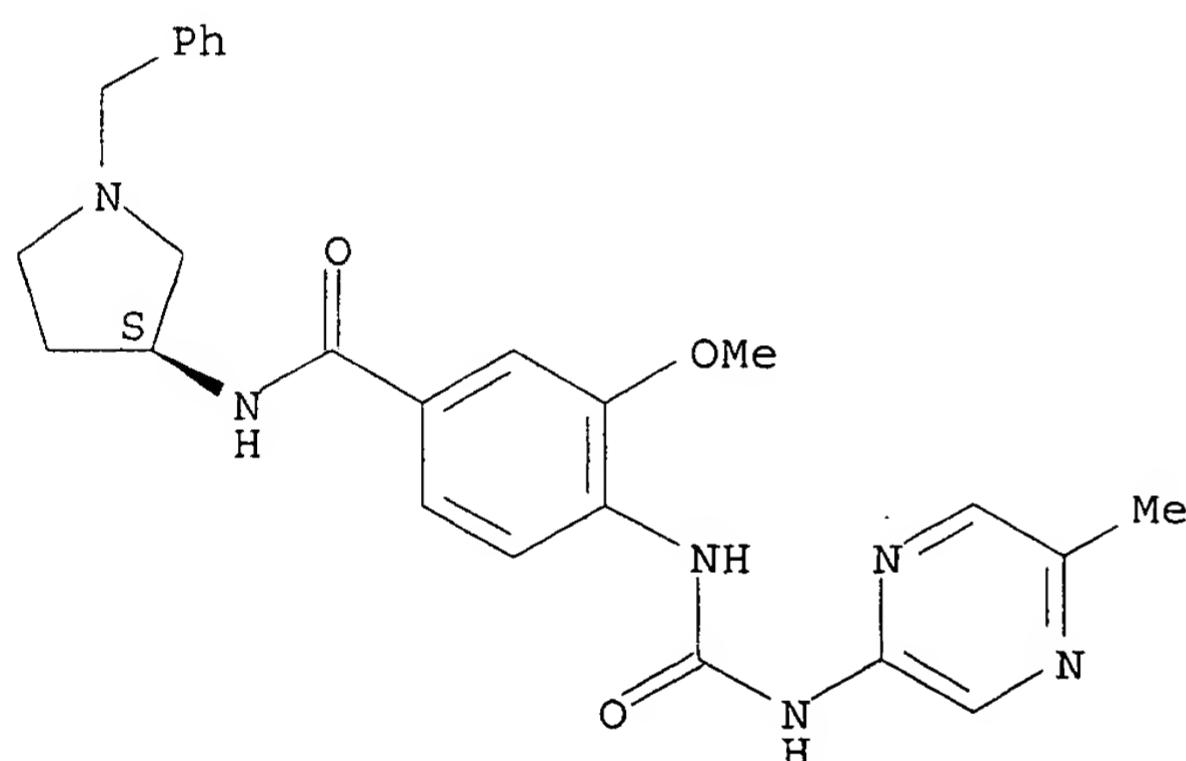
Absolute stereochemistry.



RN 457097-83-5 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

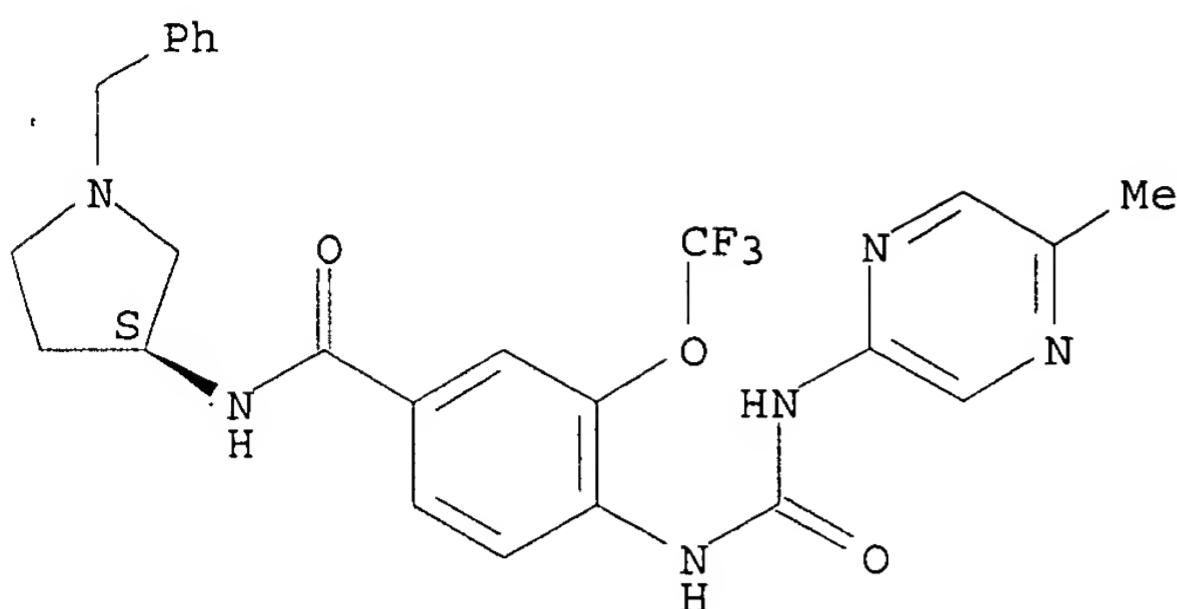
Absolute stereochemistry.



RN 457097-92-6 HCPLUS

CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-3-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

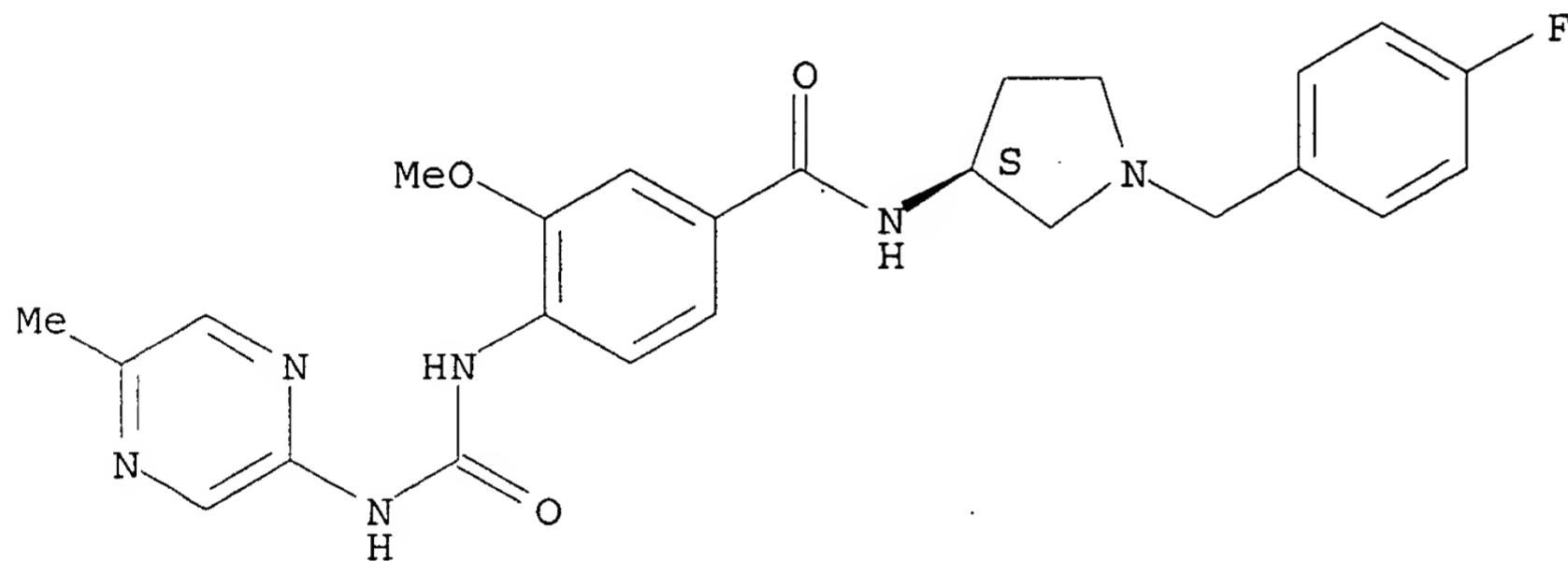
Absolute stereochemistry.



RN 457097-98-2 HCPLUS

CN Benzamide, N-[(3S)-1-[(4-fluorophenyl)methyl]-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

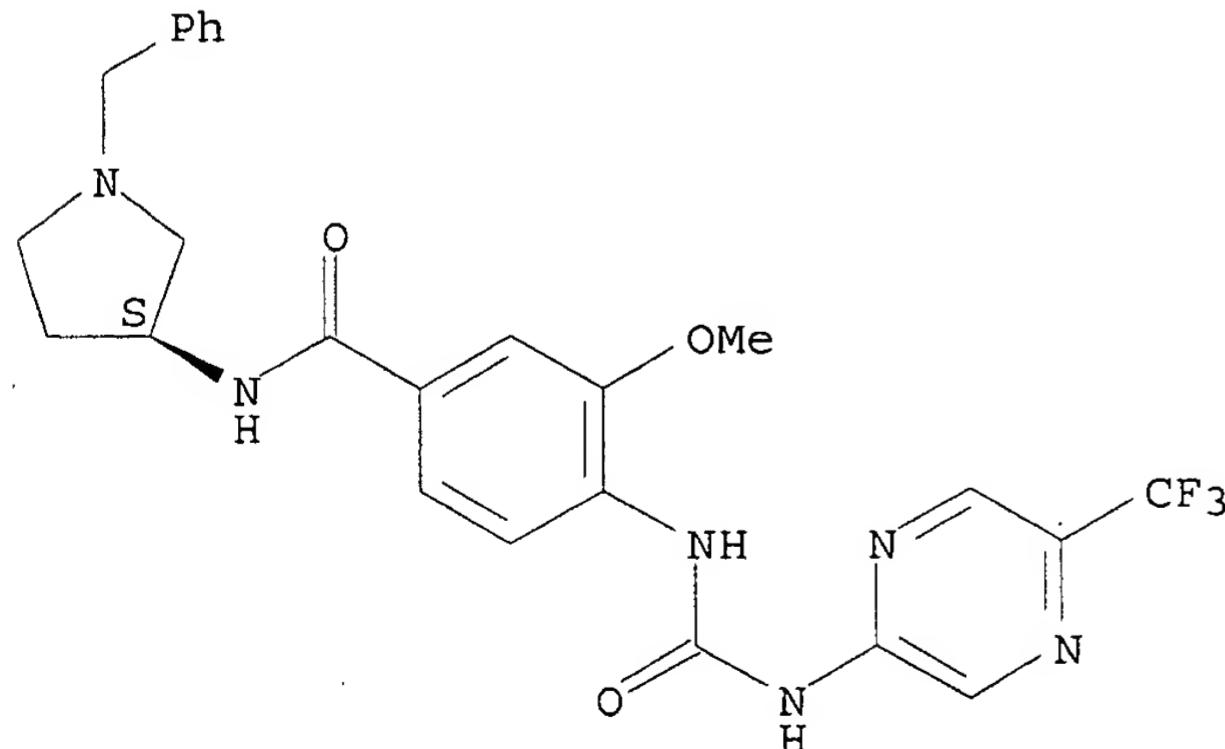
Absolute stereochemistry.



RN 457098-04-3 HCPLUS

CN Benzamide, 3-methoxy-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[[[(5-(trifluoromethyl)pyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

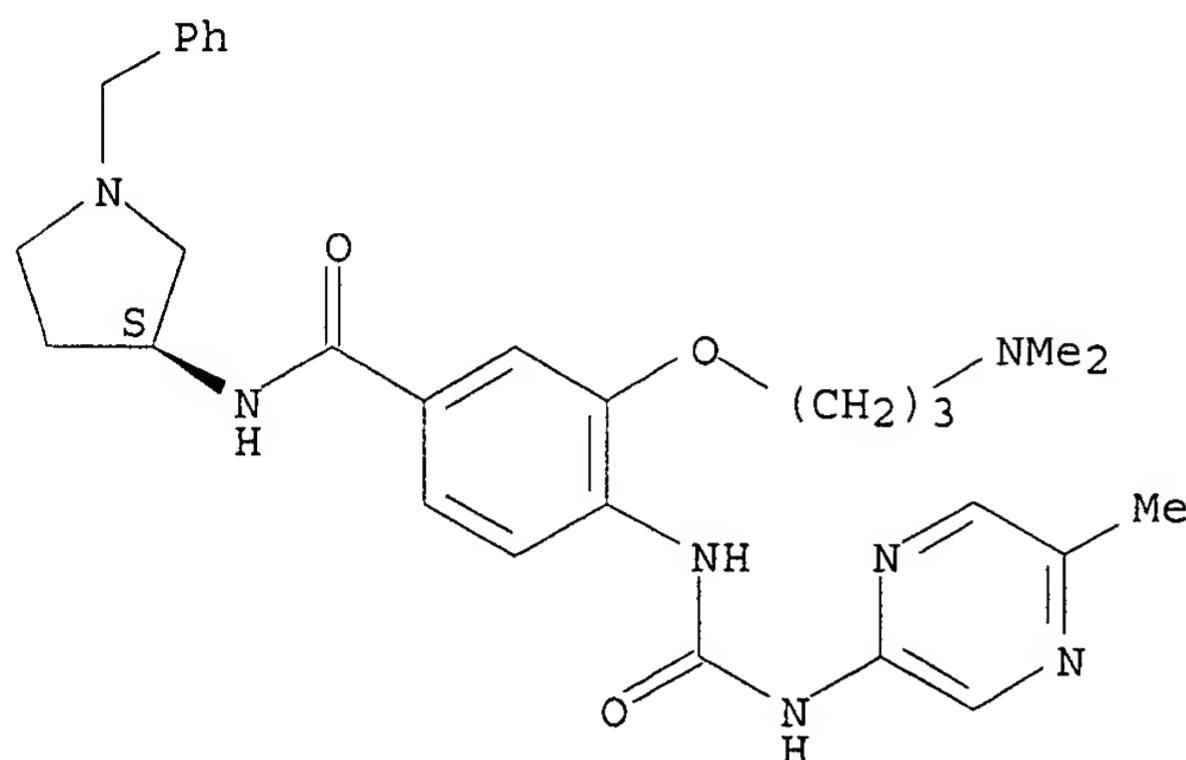


RN 457098-28-1 HCPLUS

CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-

methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

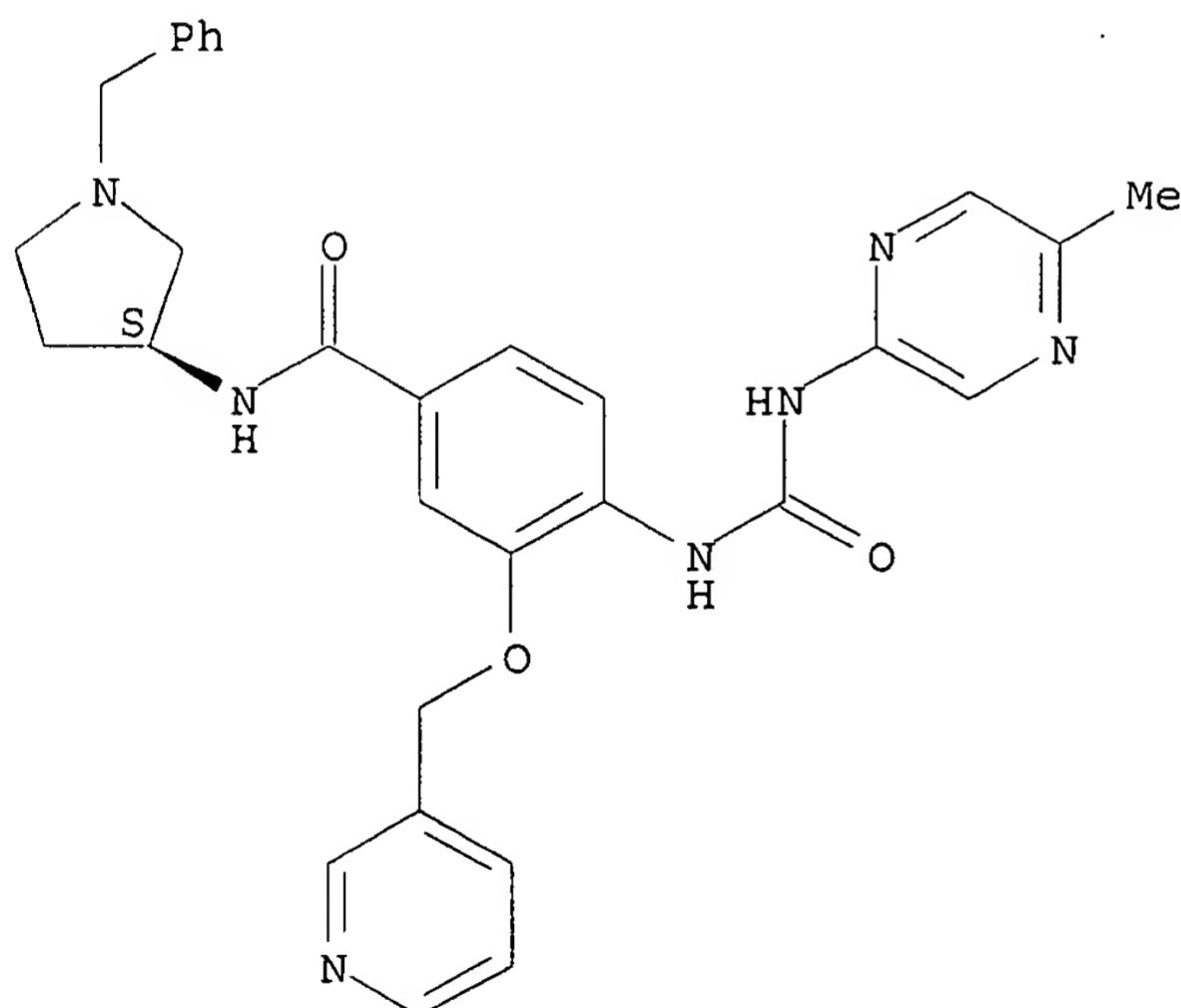
Absolute stereochemistry.



RN 457098-37-2 HCPLUS

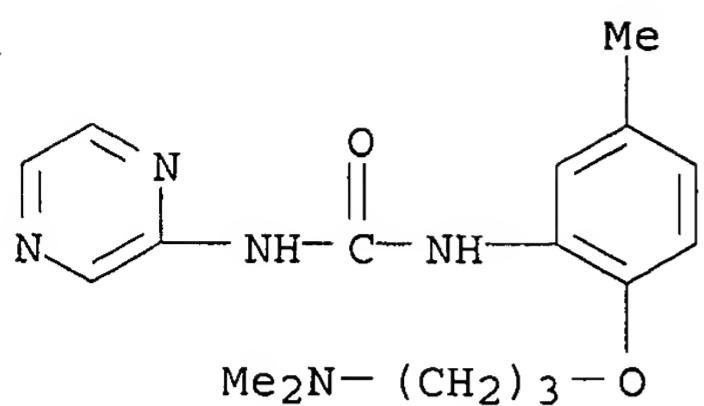
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

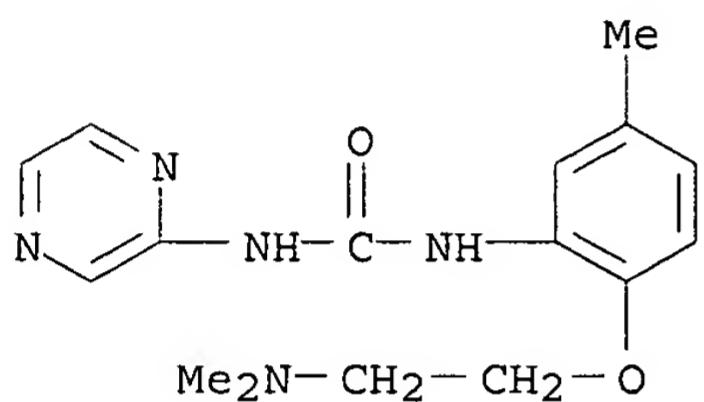


RN 457098-38-3 HCPLUS

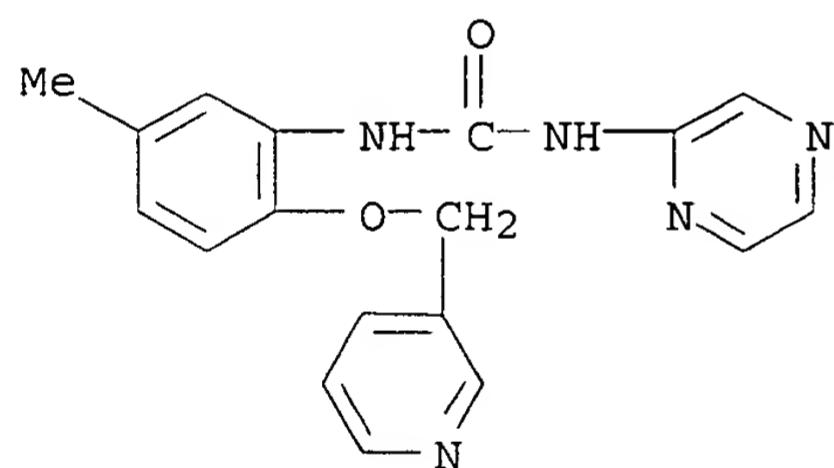
CN Urea, N-[2-[3-(dimethylamino)propoxy]-5-methylphenyl]-N'-pyrazinyl- (9CI) (CA INDEX NAME)



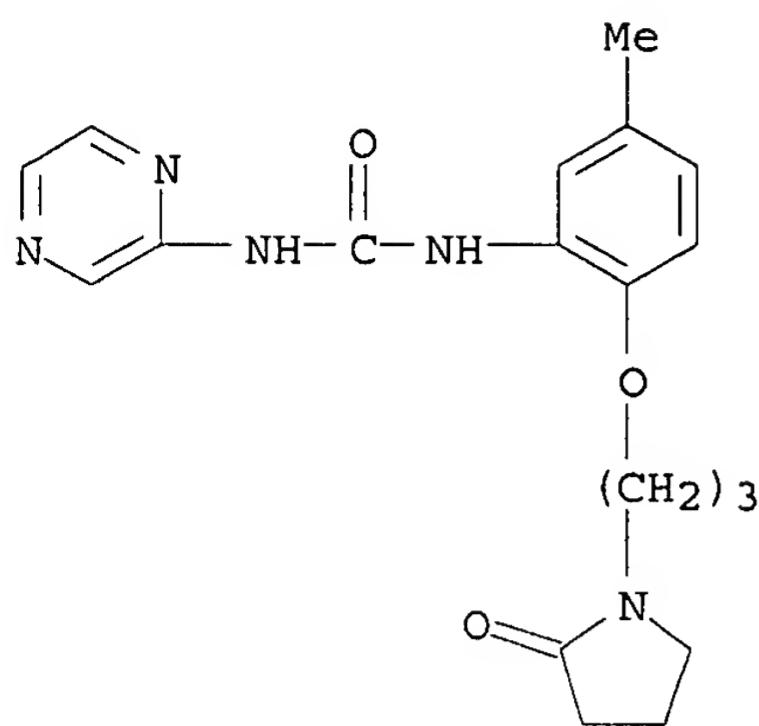
RN 457098-41-8 HCAPLUS  
CN Urea, N-[2-[2-(dimethylamino)ethoxy]-5-methylphenyl]-N'-pyrazinyl- (9CI)  
(CA INDEX NAME)



RN 457098-42-9 HCAPLUS  
CN Urea, N-[5-methyl-2-(3-pyridinylmethoxy)phenyl]-N'-pyrazinyl- (9CI) (CA INDEX NAME)

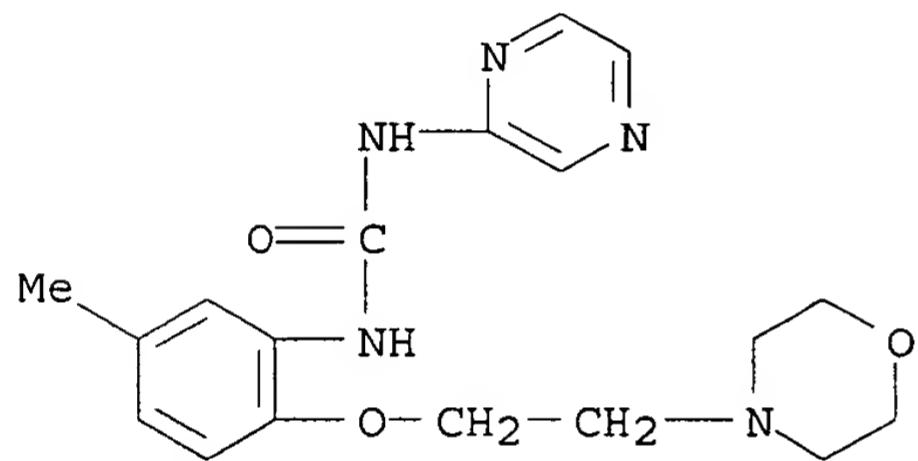


RN 457098-43-0 HCAPLUS  
CN Urea, N-[5-methyl-2-[3-(2-oxo-1-pyrrolidinyl)propoxy]phenyl]-N'-pyrazinyl- (9CI) (CA INDEX NAME)



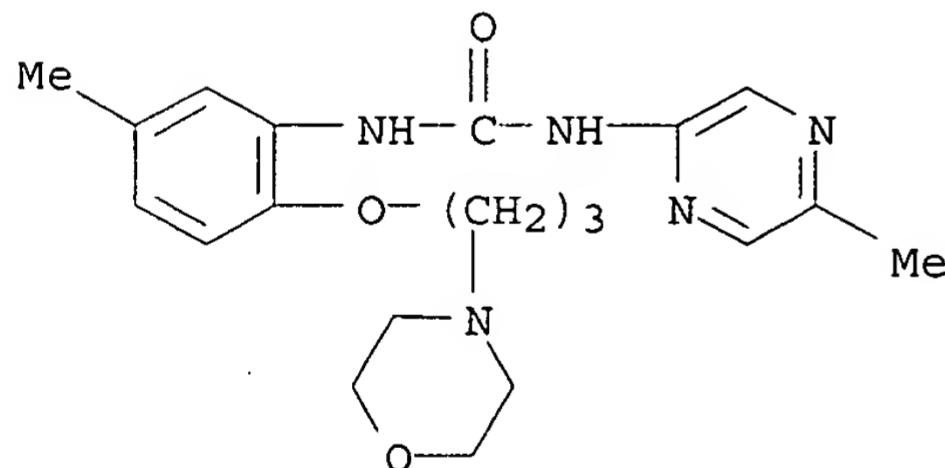
RN 457098-44-1 HCAPLUS

CN Urea, N-[5-methyl-2-[2-(4-morpholinyl)ethoxy]phenyl]-N'-pyrazinyl- (9CI)  
(CA INDEX NAME)



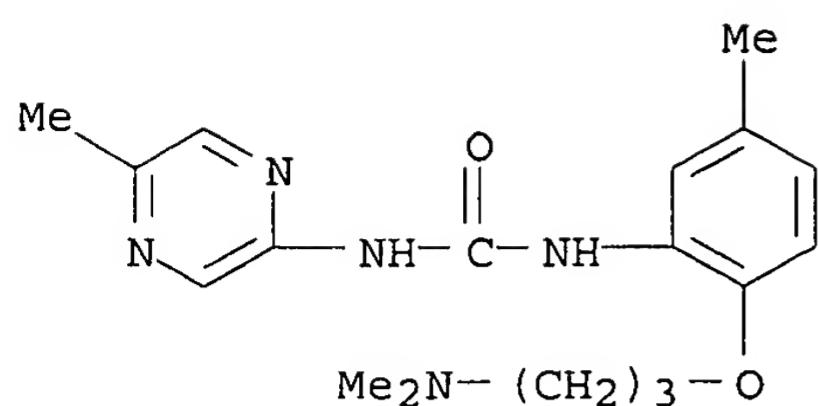
RN 457098-45-2 HCAPLUS

CN Urea, N-[5-methyl-2-[3-(4-morpholinyl)propoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



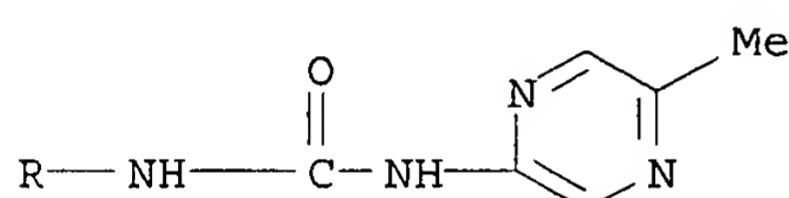
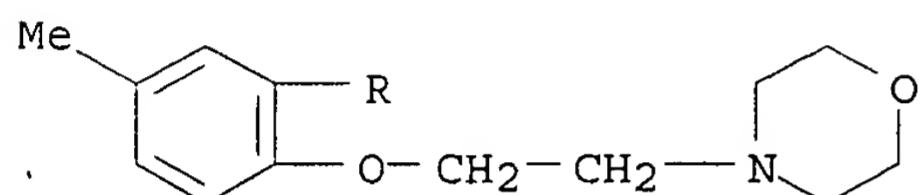
RN 457098-46-3 HCAPLUS

CN Urea, N-[2-[3-(dimethylamino)propoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



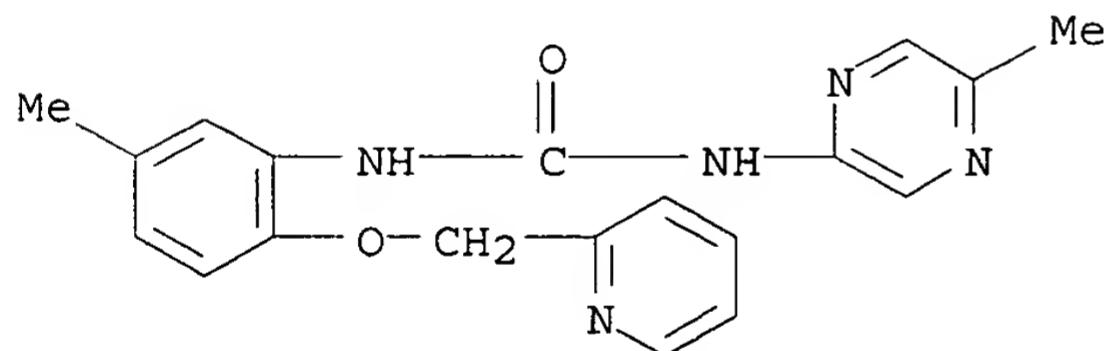
RN 457098-47-4 HCPLUS

CN Urea, N-[5-methyl-2-[2-(4-morpholinyl)ethoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



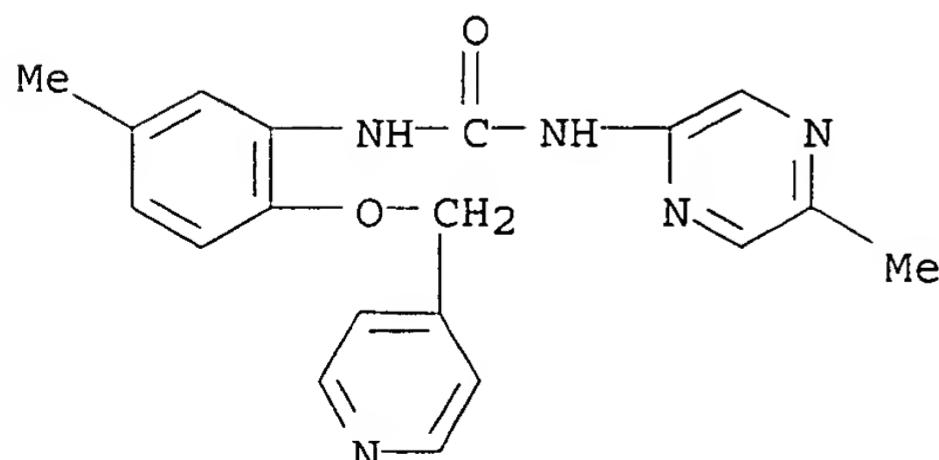
RN 457098-48-5 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-(2-pyridinylmethoxy)phenyl)- (9CI) (CA INDEX NAME)



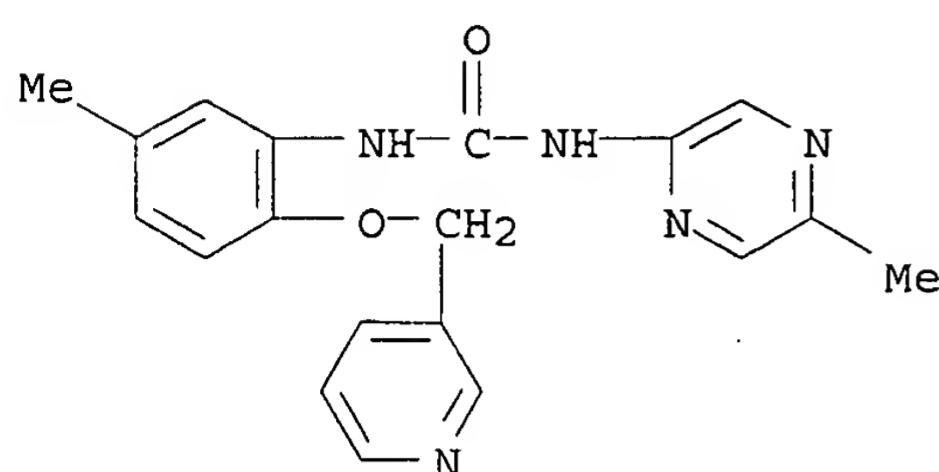
RN 457098-49-6 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-(4-pyridinylmethoxy)phenyl)- (9CI) (CA INDEX NAME)



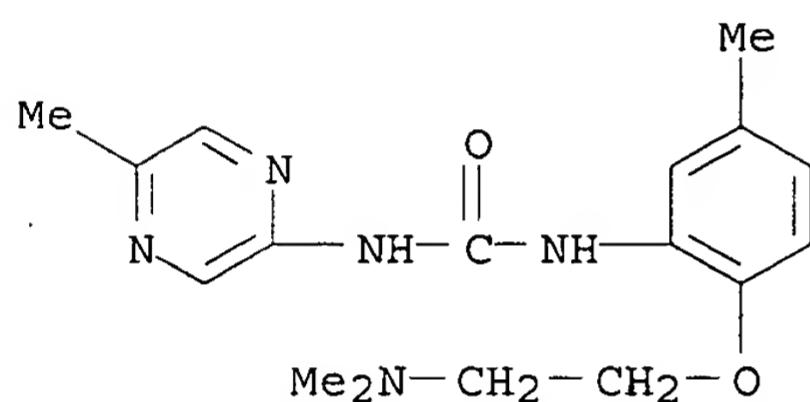
RN 457098-50-9 HCPLUS

CN Urea, N- (5-methylpyrazinyl)-N' - [5-methyl-2- (3-pyridinylmethoxy)phenyl] - (9CI) (CA INDEX NAME)



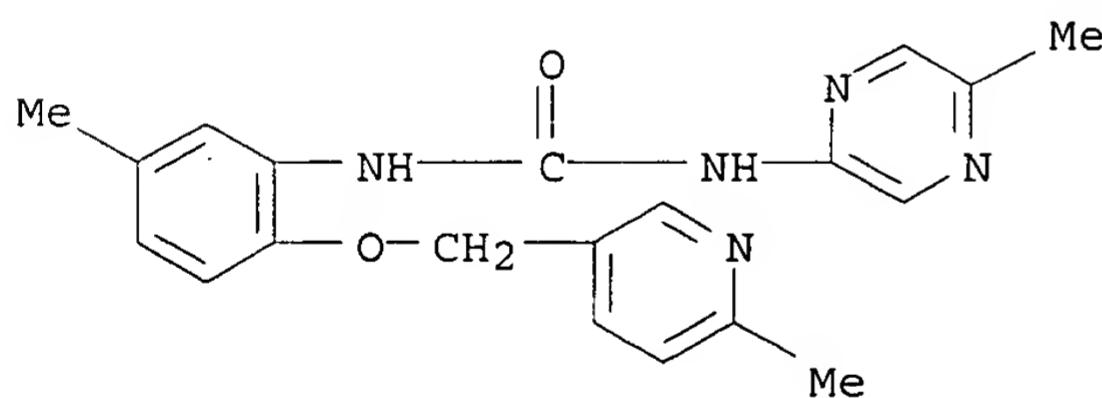
RN 457098-51-0 HCPLUS

CN Urea, N- [2- [2- (dimethylamino)ethoxy] -5-methylphenyl] -N' - (5-methylpyrazinyl) - (9CI) (CA INDEX NAME)



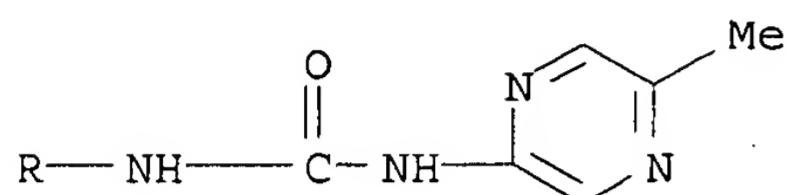
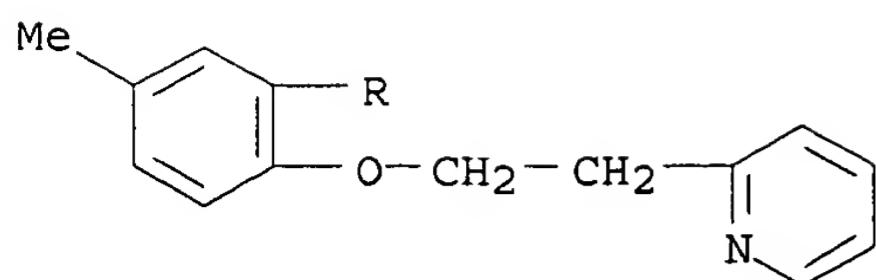
RN 457098-53-2 HCPLUS

CN Urea, N- [5-methyl-2- [(6-methyl-3-pyridinyl)methoxy]phenyl] -N' - (5-methylpyrazinyl) - (9CI) (CA INDEX NAME)

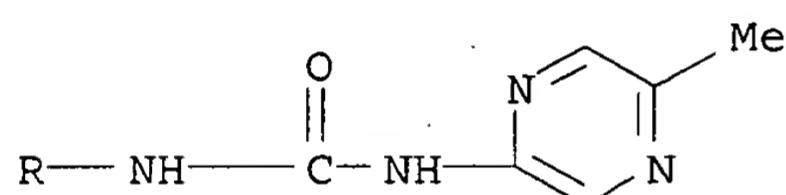
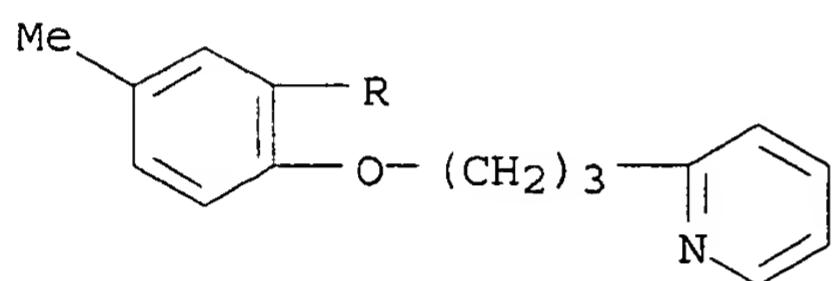


RN 457098-55-4 HCPLUS

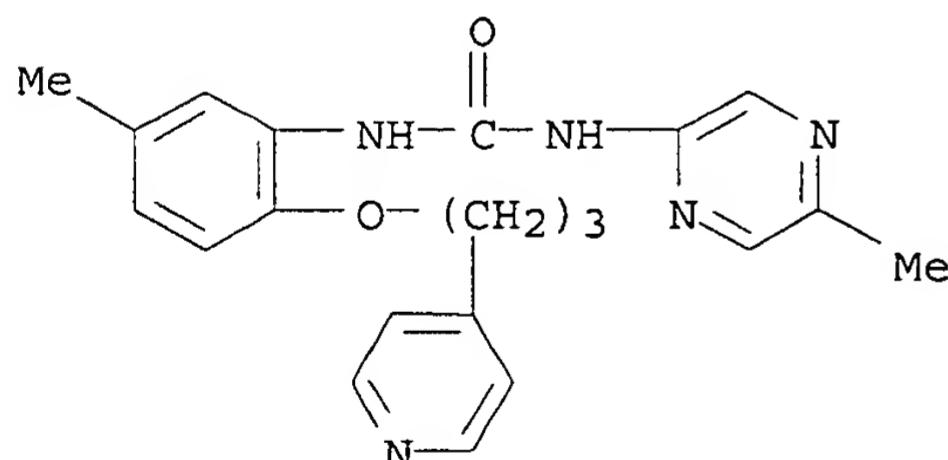
CN Urea, N- (5-methylpyrazinyl)-N' - [5-methyl-2- [2- (2-pyridinyl)ethoxy]phenyl] - (9CI) (CA INDEX NAME)



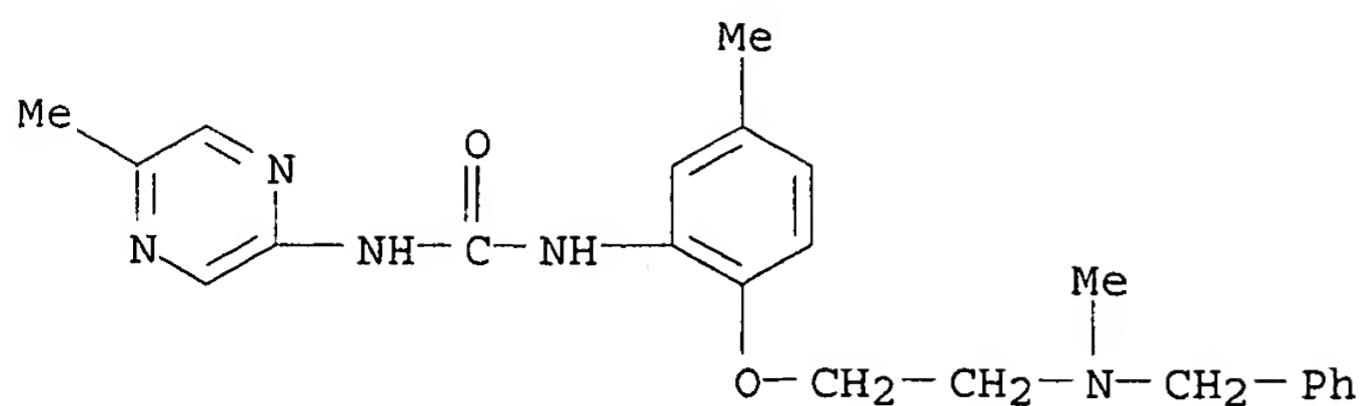
RN 457098-57-6 HCAPLUS  
 CN Urea, N- (5-methylpyrazinyl) -N' - [5-methyl-2- [3- (2-pyridinyl)propoxy]phenyl] -  
 (9CI) (CA INDEX NAME)



RN 457098-59-8 HCAPLUS  
 CN Urea, N- (5-methylpyrazinyl) -N' - [5-methyl-2- [3- (4-pyridinyl)propoxy]phenyl] -  
 (9CI) (CA INDEX NAME)

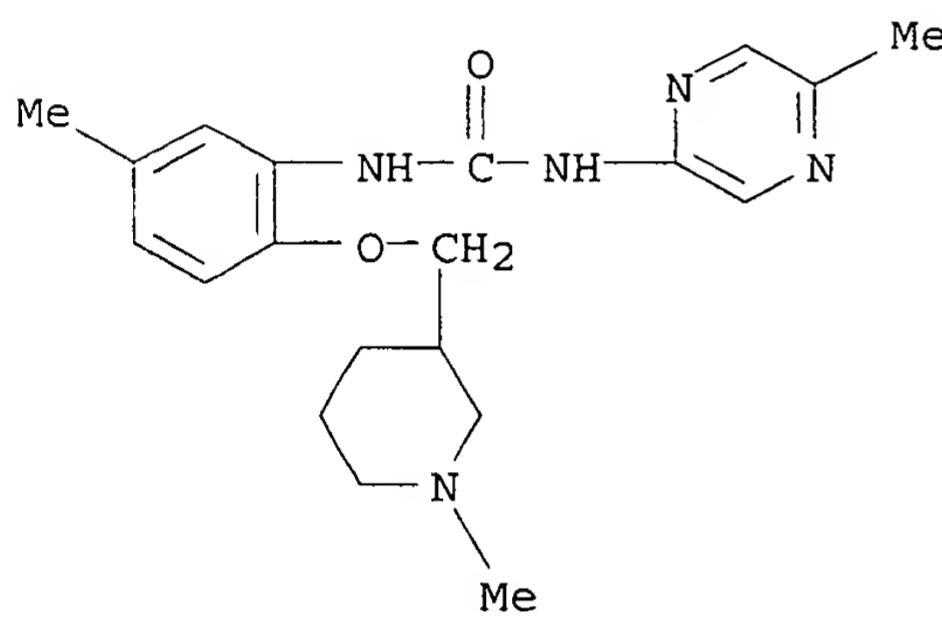


RN 457098-60-1 HCAPLUS  
 CN Urea, N- [5-methyl-2- [2- [methyl (phenylmethyl)amino]ethoxy]phenyl] -N' - (5-  
 methylpyrazinyl) - (9CI) (CA INDEX NAME)



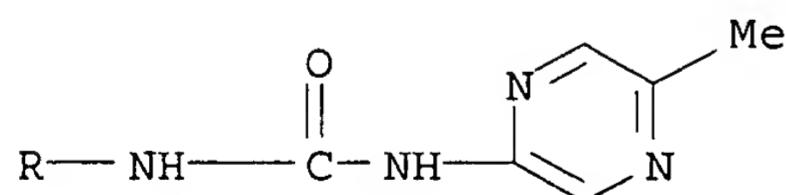
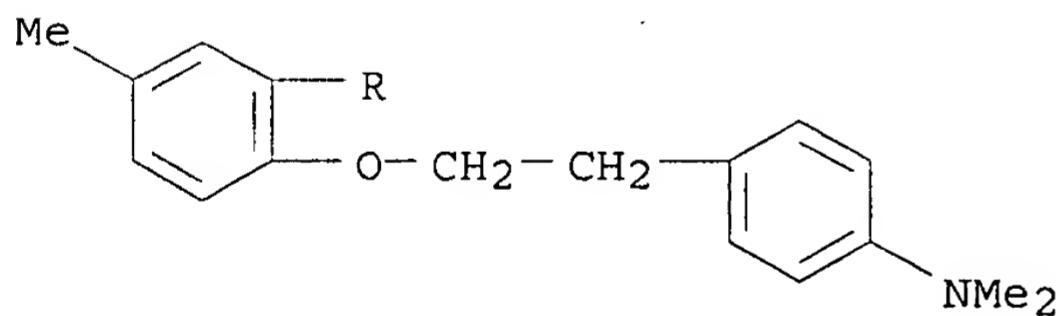
RN 457098-62-3 HCPLUS

CN Urea, N-[5-methyl-2-[(1-methyl-3-piperidinyl)methoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



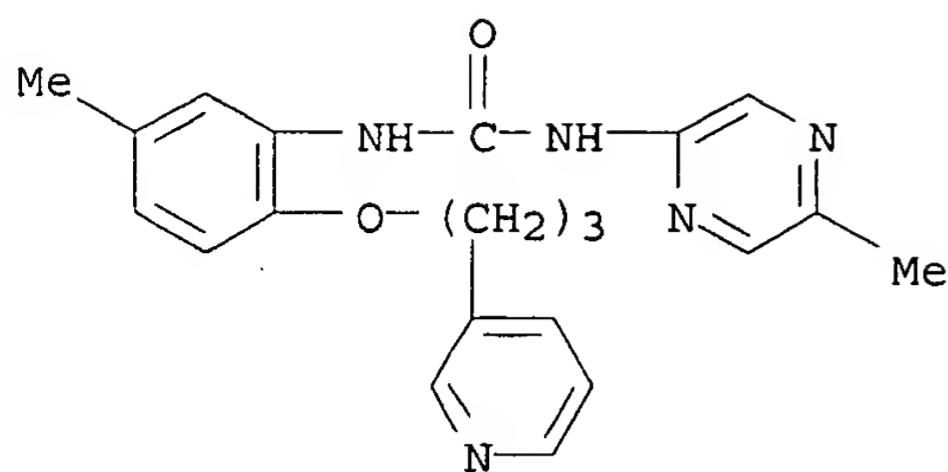
RN 457098-64-5 HCPLUS

CN Urea, N-[2-[2-[4-(dimethylamino)phenyl]ethoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



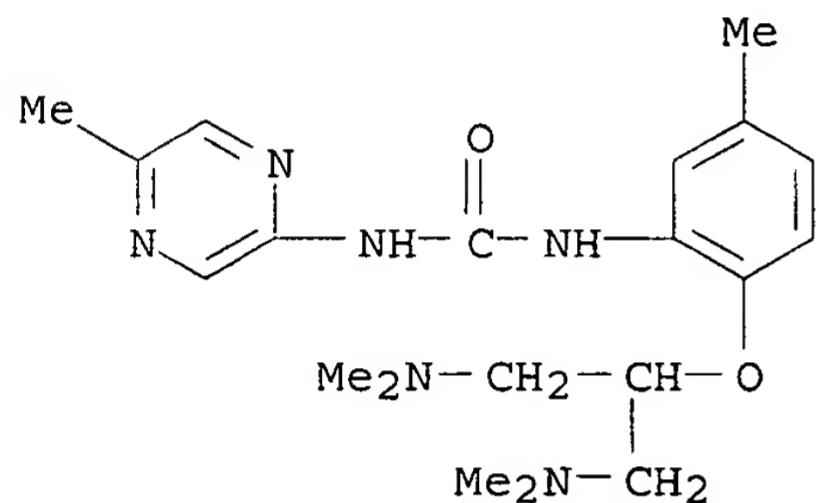
RN 457098-66-7 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[3-(3-pyridinyl)propoxy]phenyl)- (9CI) (CA INDEX NAME)



RN 457098-68-9 HCPLUS

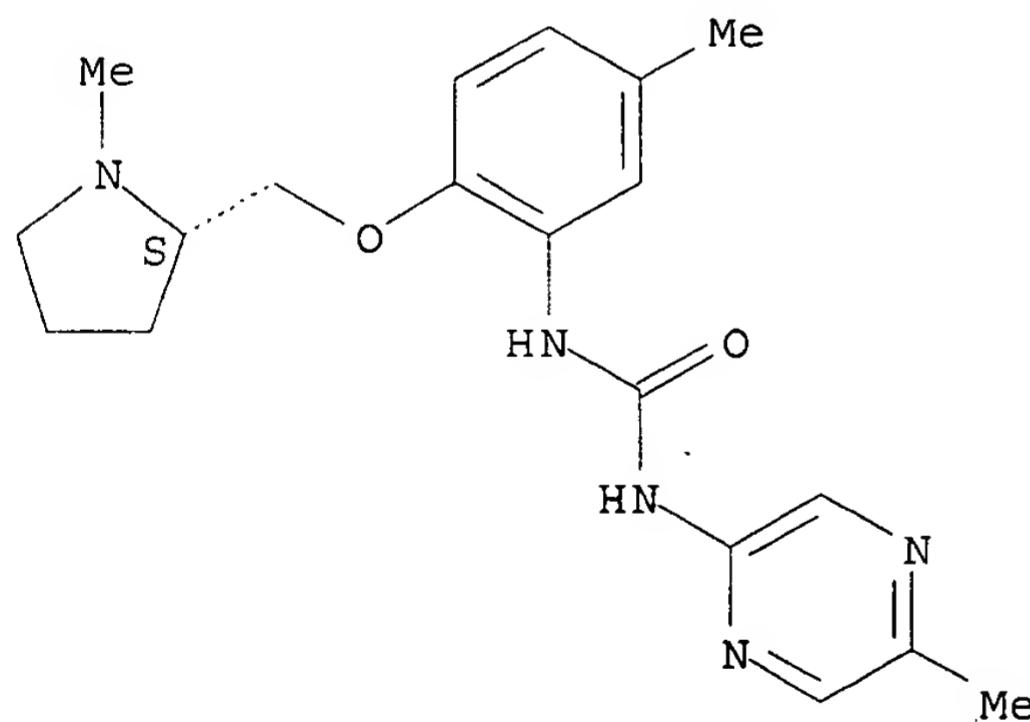
CN Urea, N-[2-[2-(dimethylamino)-1-[(dimethylamino)methyl]ethoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457098-70-3 HCPLUS

CN Urea, N-[5-methyl-2-[(2S)-1-methyl-2-pyrrolidinyl]methoxyphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

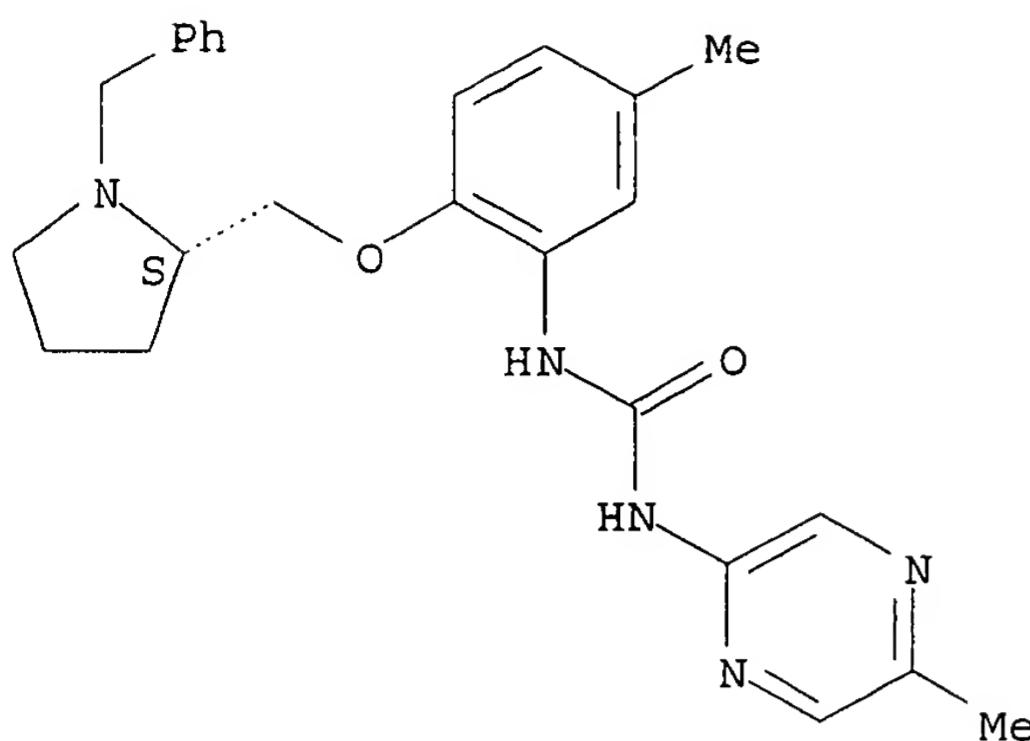
Absolute stereochemistry.



RN 457098-72-5 HCPLUS

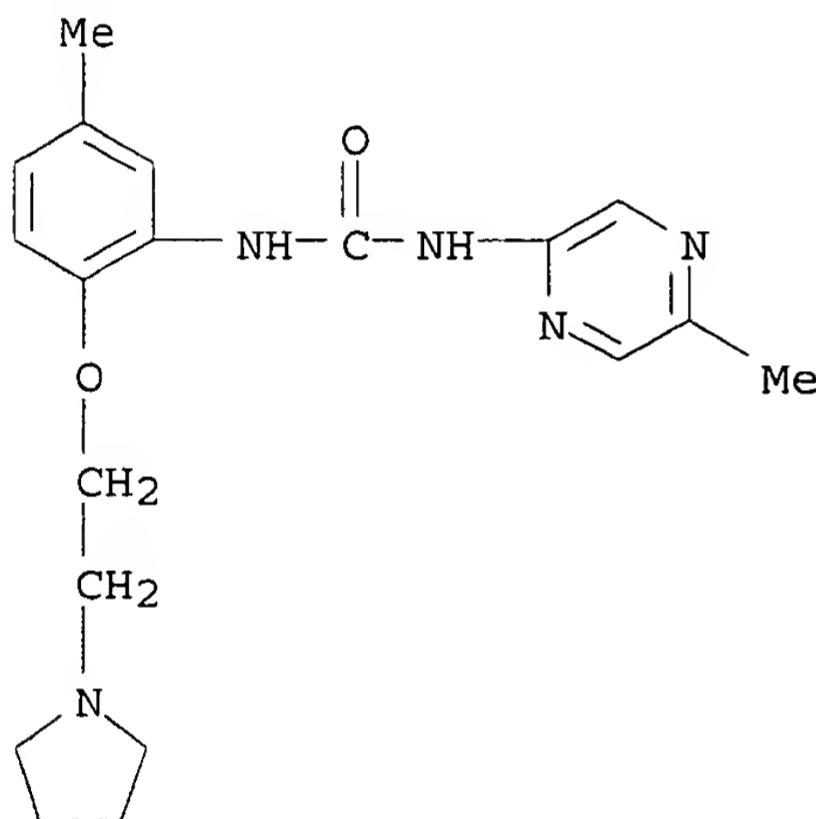
CN Urea, N-[5-methyl-2-[(2S)-1-(phenylmethyl)-2-pyrrolidinyl]methoxyphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



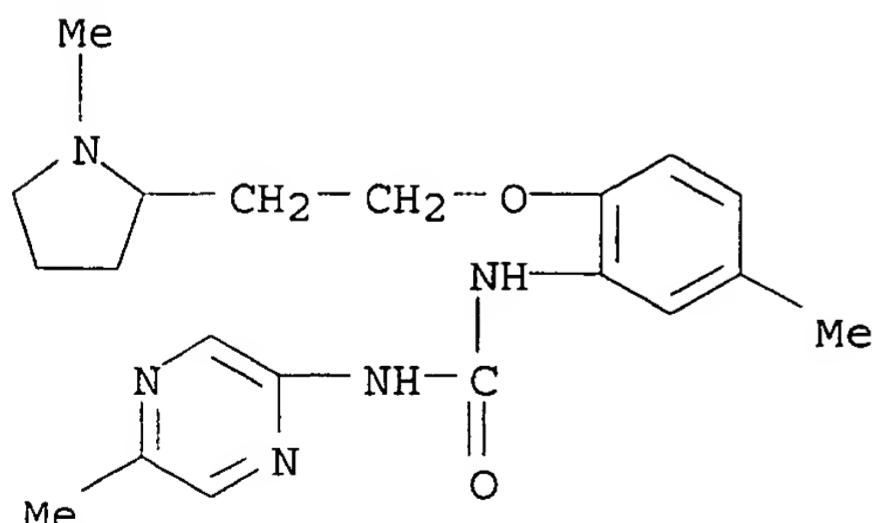
RN 457098-74-7 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[2-(1-pyrrolidinyl)ethoxy]phenyl)- (9CI) (CA INDEX NAME)



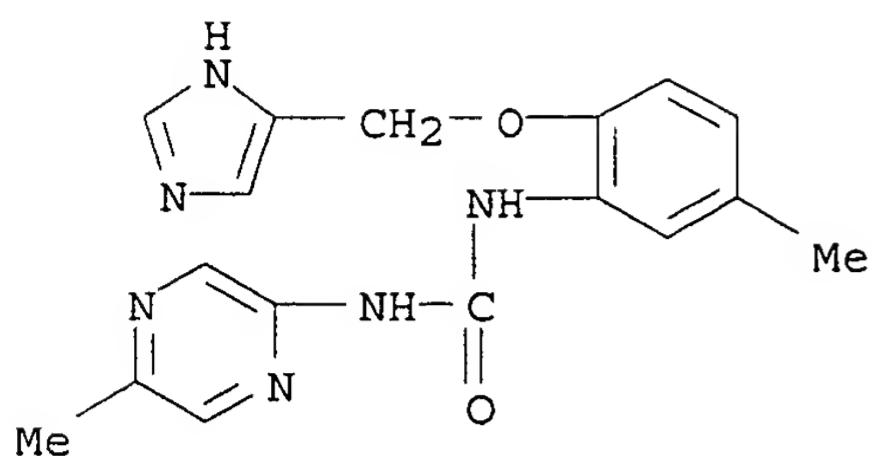
RN 457098-75-8 HCPLUS

CN Urea, N-[5-methyl-2-[2-(1-methyl-2-pyrrolidinyl)ethoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

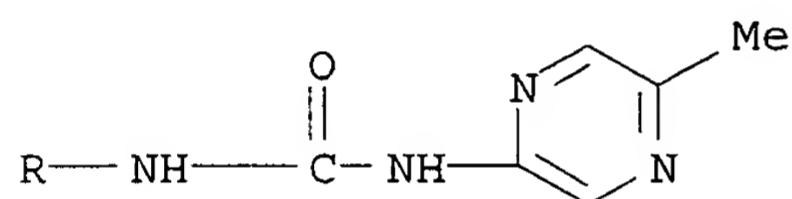
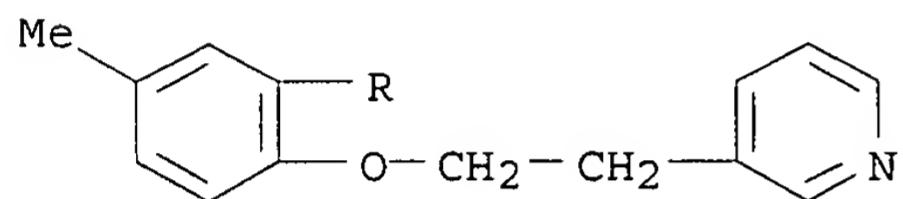


RN 457098-76-9 HCPLUS

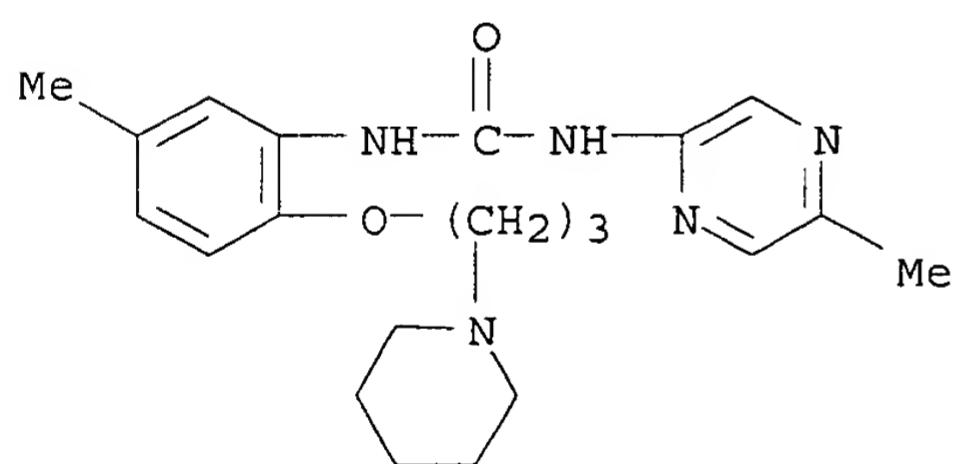
CN Urea, N-[2-(1H-imidazol-4-ylmethoxy)-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



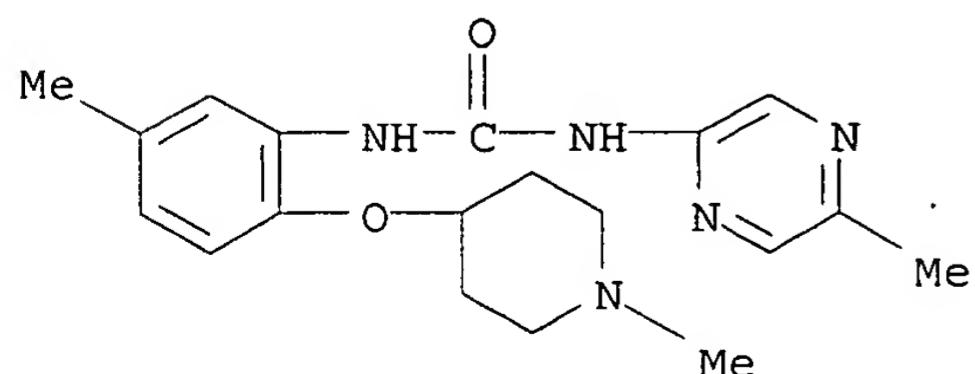
RN 457098-77-0 HCAPLUS  
 CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[2-(3-pyridinyl)ethoxy]phenyl)- (9CI) (CA INDEX NAME)



RN 457098-78-1 HCAPLUS  
 CN Urea, N-[5-methyl-2-[3-(1-piperidinyl)propoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

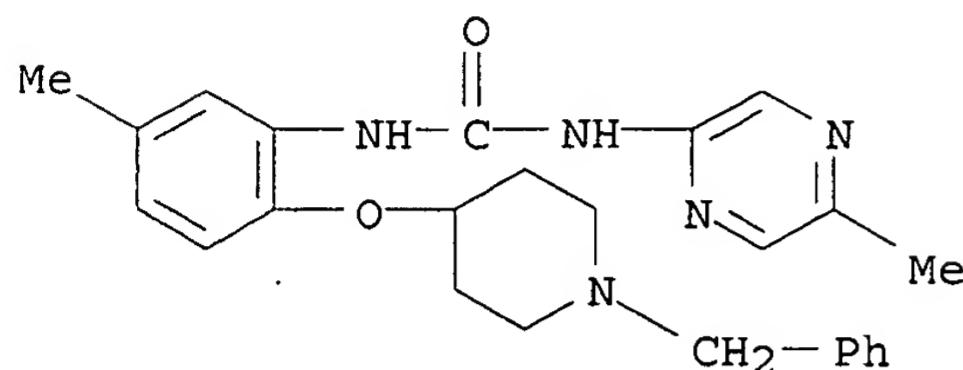


RN 457098-79-2 HCAPLUS  
 CN Urea, N-[5-methyl-2-[(1-methyl-4-piperidinyl)oxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457098-80-5 HCPLUS

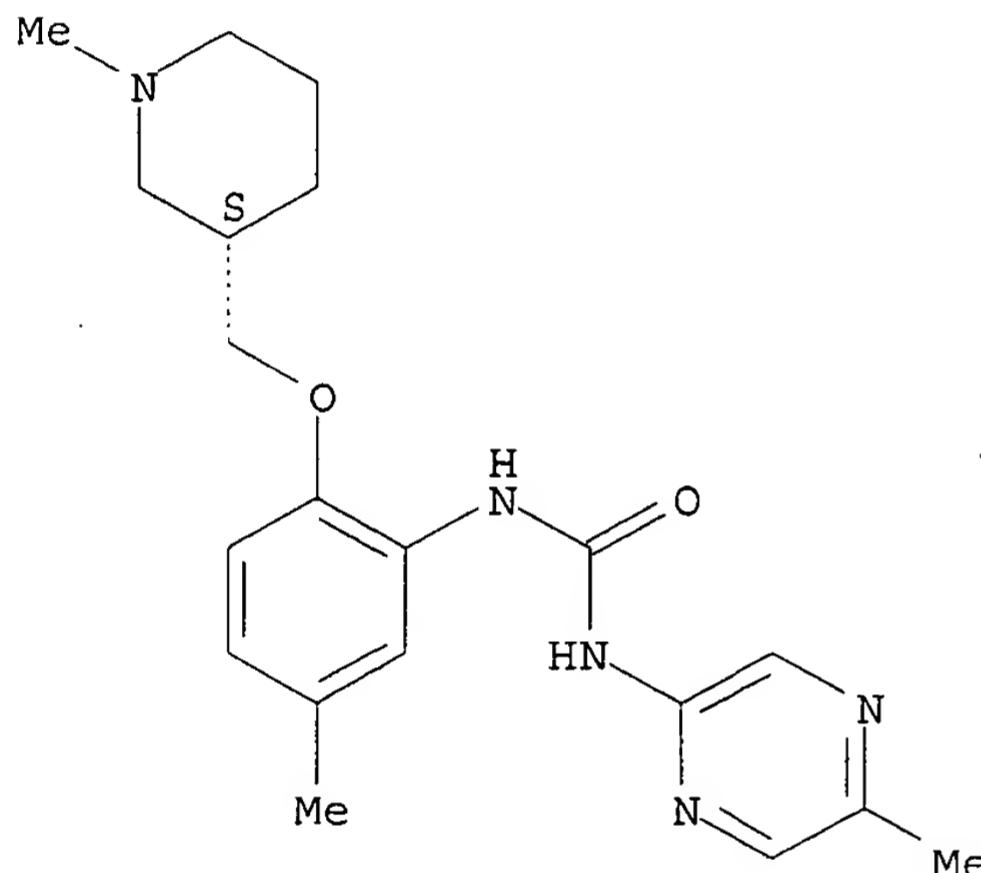
CN Urea, N-[5-methyl-2-[[1-(phenylmethyl)-4-piperidinyl]oxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457098-81-6 HCPLUS

CN Urea, N-[5-methyl-2-[[ (3S)-1-methyl-3-piperidinyl]methoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

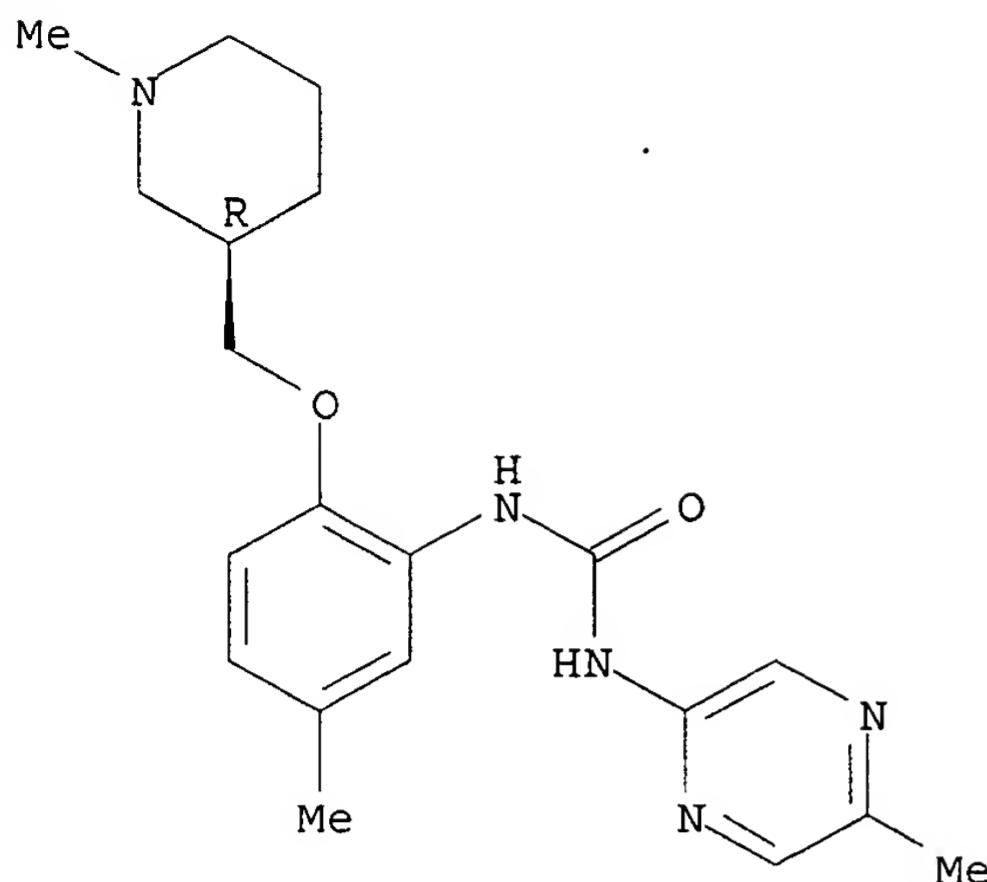
Absolute stereochemistry.



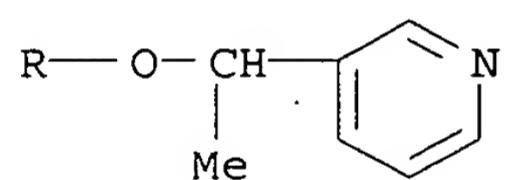
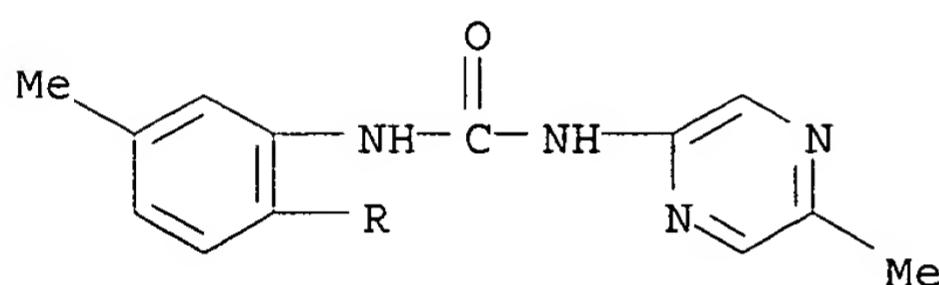
RN 457098-82-7 HCPLUS

CN Urea, N-[5-methyl-2-[[ (3R)-1-methyl-3-piperidinyl]methoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

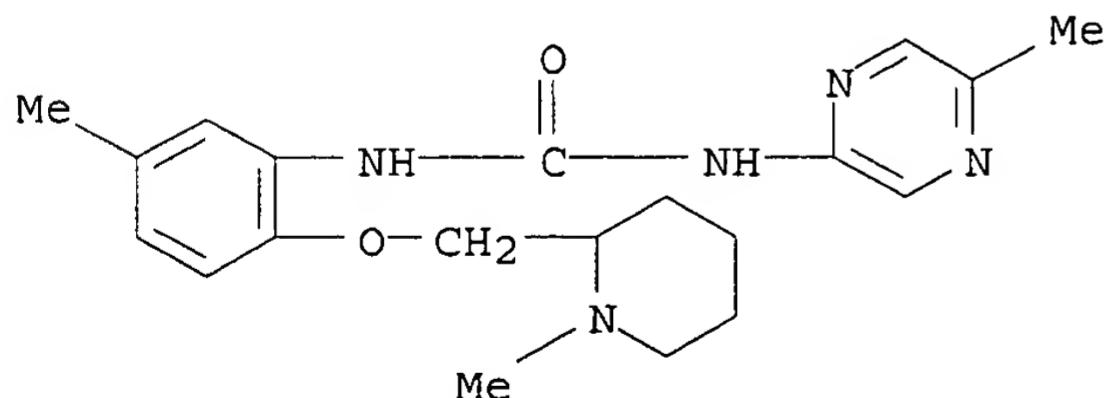
Absolute stereochemistry.



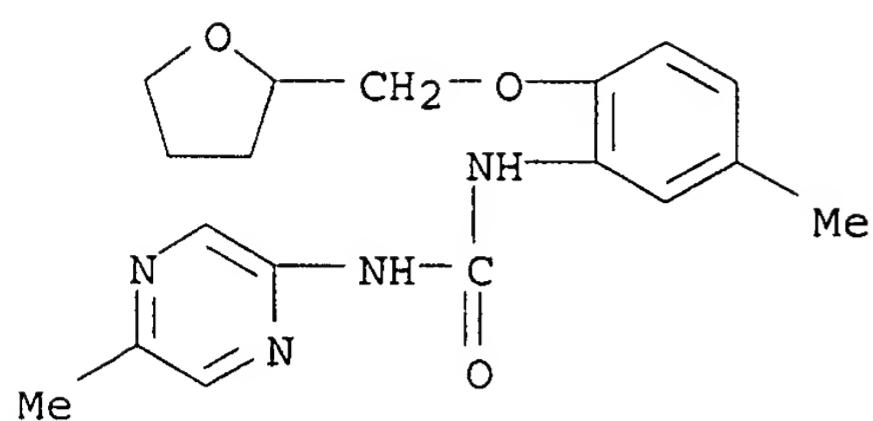
RN 457098-84-9 HCPLUS  
 CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[(1-(3-pyridinyl)ethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 457098-85-0 HCPLUS  
 CN Urea, N-[(5-methyl-2-[(1-methyl-2-piperidinyl)methoxy]phenyl)-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

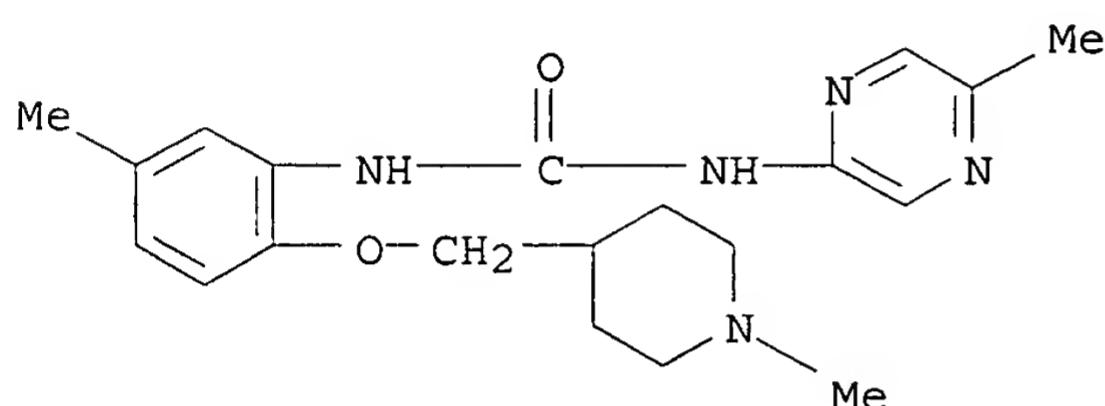


RN 457098-86-1 HCPLUS  
 CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[(tetrahydro-2-furanyl)methoxy]phenyl)- (9CI) (CA INDEX NAME)



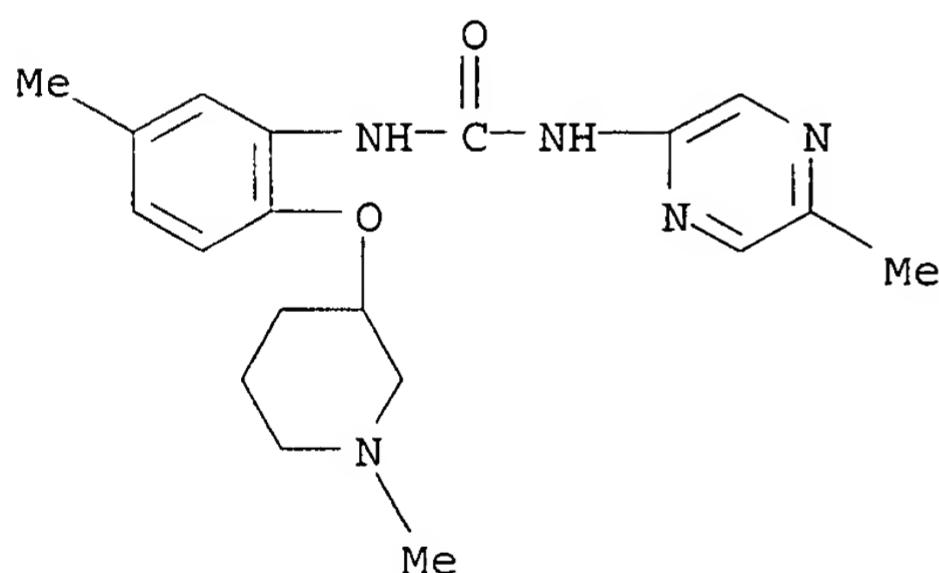
RN 457098-87-2 HCPLUS

CN Urea, N-[5-methyl-2-[(1-methyl-4-piperidinyl)methoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



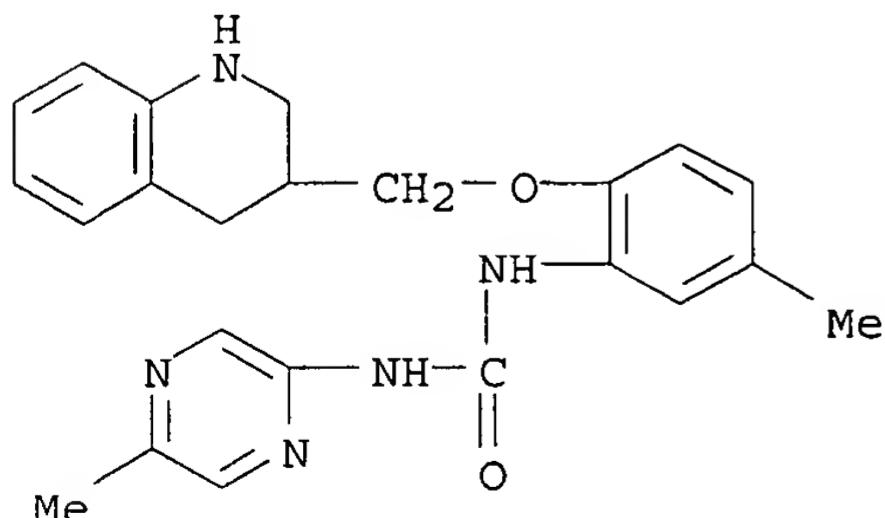
RN 457098-88-3 HCPLUS

CN Urea, N-[5-methyl-2-[(1-methyl-3-piperidinyl)oxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



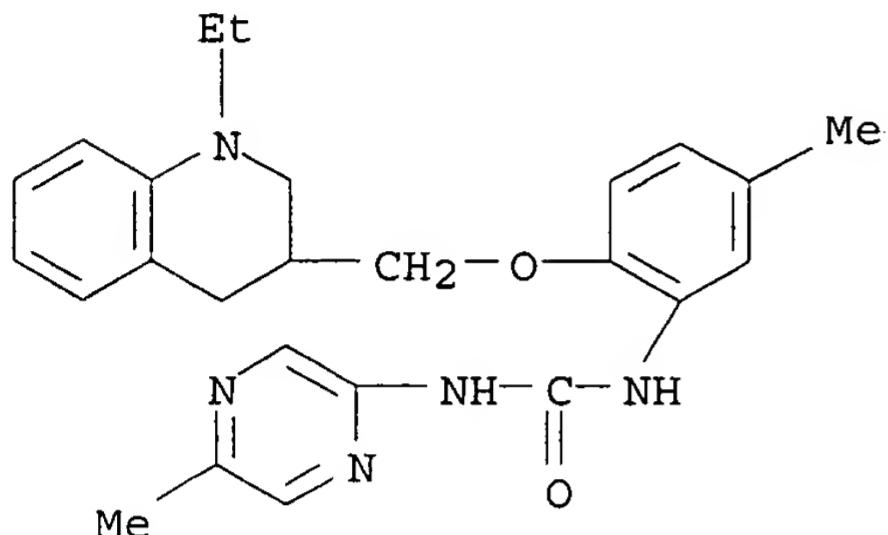
RN 457098-89-4 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-[(1,2,3,4-tetrahydro-3-quinolinyl)methoxy]phenyl)- (9CI) (CA INDEX NAME)



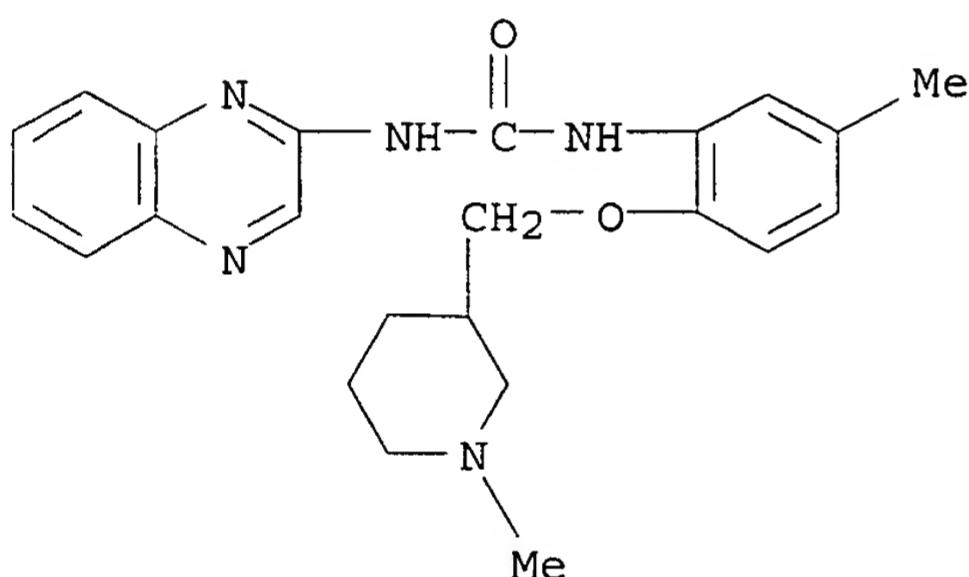
RN 457098-92-9 HCPLUS

CN Urea, N-[2-[(1-ethyl-1,2,3,4-tetrahydro-3-quinolinyl)methoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



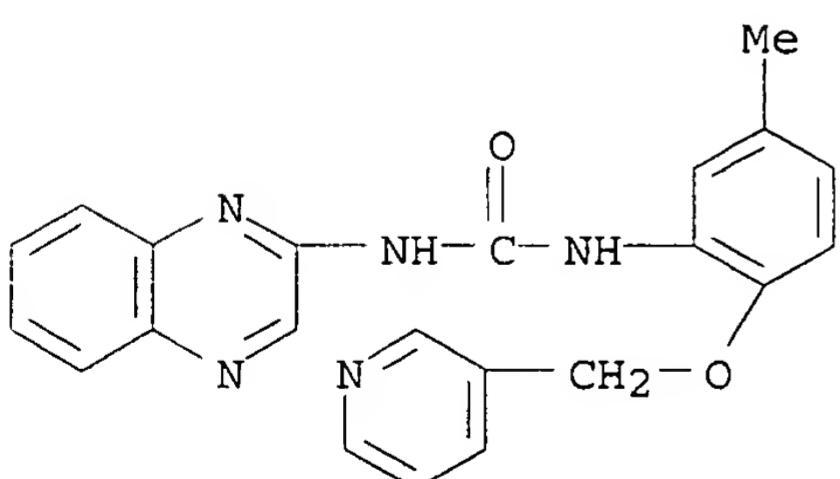
RN 457098-95-2 HCPLUS

CN Urea, N-[5-methyl-2-[(1-methyl-3-piperidinyl)methoxy]phenyl]-N'-(2-quinoxalinyl)- (9CI) (CA INDEX NAME)



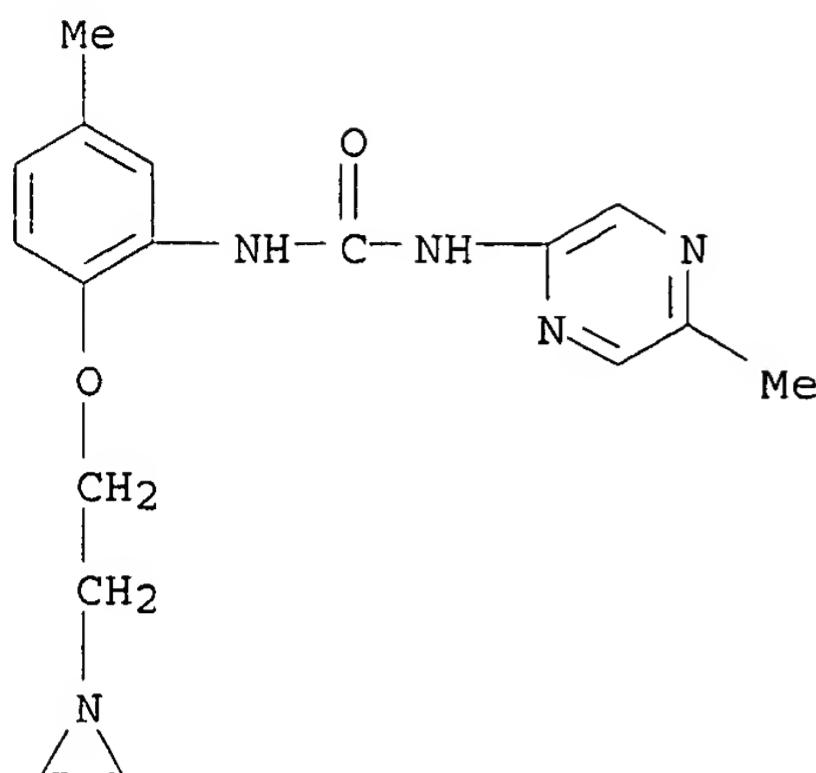
RN 457098-96-3 HCPLUS

CN Urea, N-[5-methyl-2-(3-pyridinylmethoxy)phenyl]-N'-(2-quinoxalinyl)- (9CI) (CA INDEX NAME)



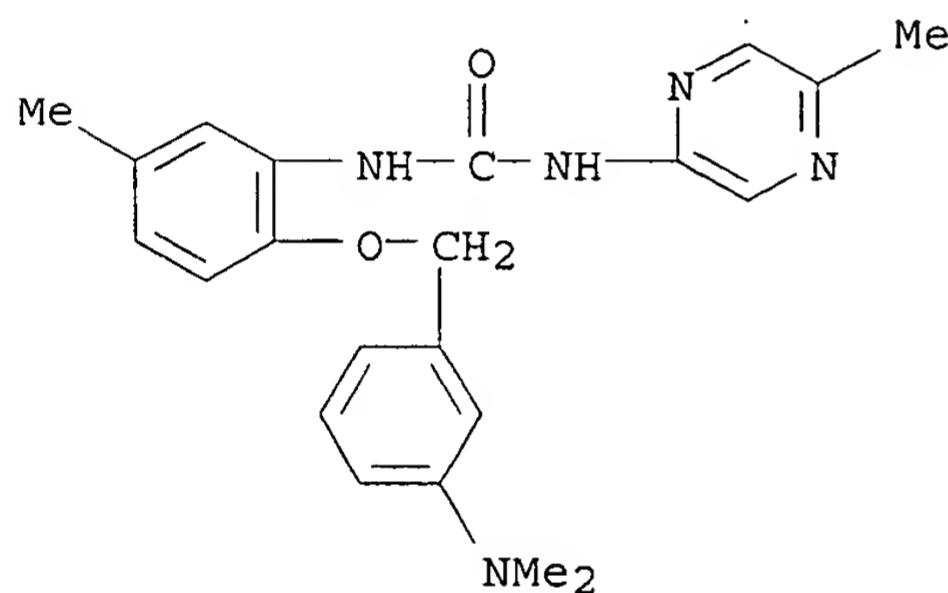
RN 457098-99-6 HCPLUS

CN Urea, N-[2-[(1-aziridinyl)ethoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



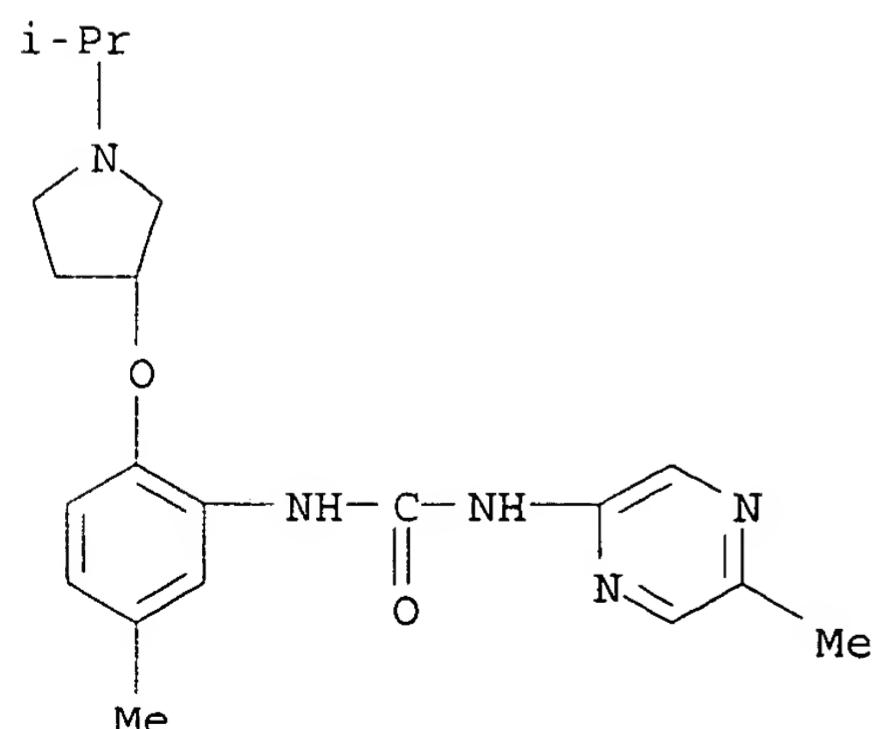
RN 457099-00-2 HCAPLUS

CN Urea, N-[2-[[3-(dimethylamino)phenyl]methoxy]-5-methylphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457099-01-3 HCAPLUS

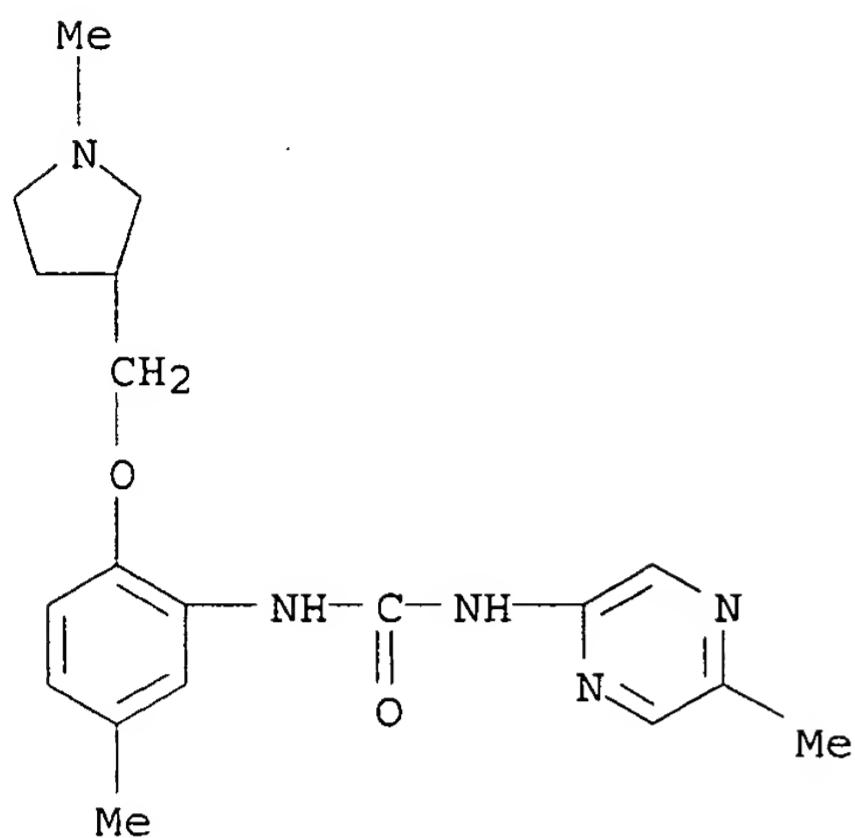
CN Urea, N-[5-methyl-2-[[1-(1-methylethyl)-3-pyrrolidinyl]oxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457099-02-4 HCAPLUS

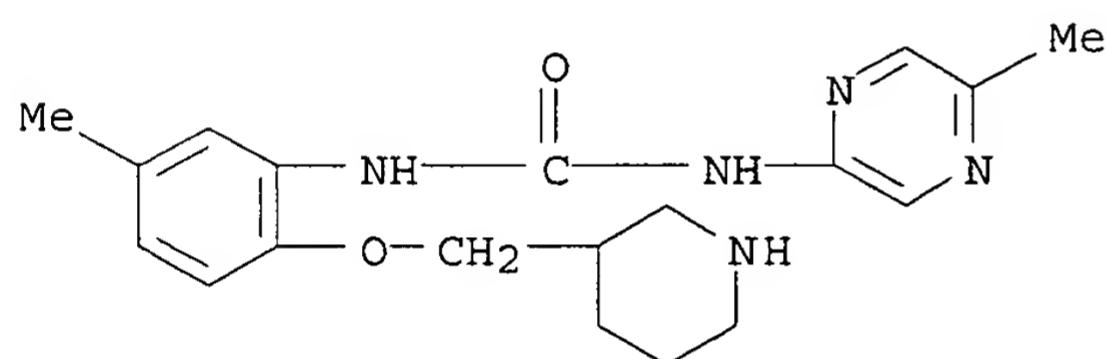
CN Urea, N-[5-methyl-2-[(1-methyl-3-pyrrolidinyl)methoxy]phenyl]-N'-(5-

methylpyrazinyl) - (9CI) (CA INDEX NAME)



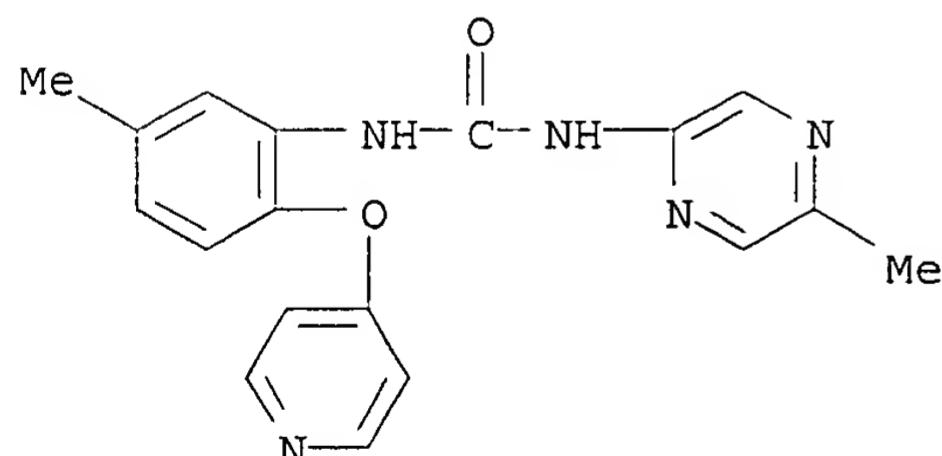
RN 457099-03-5 HCAPLUS

CN Urea, N-[5-methyl-2-(3-piperidinylmethoxy)phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



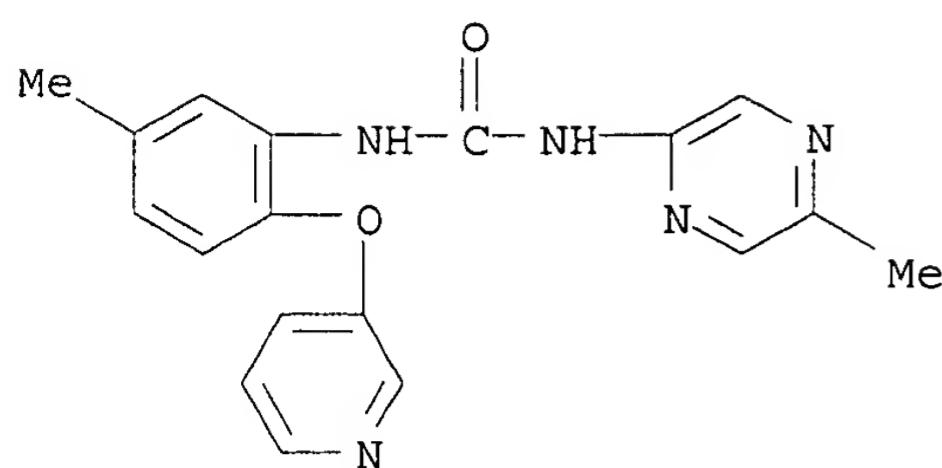
RN 457099-11-5 HCAPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-(4-pyridinyl)phenyl)- (9CI) (CA INDEX NAME)

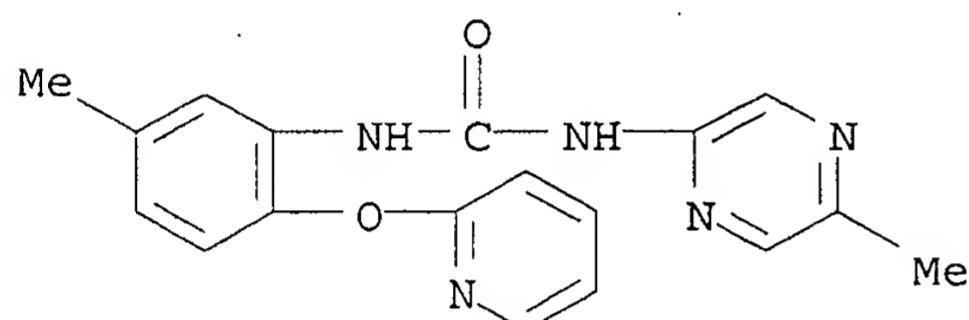


RN 457099-12-6 HCAPLUS

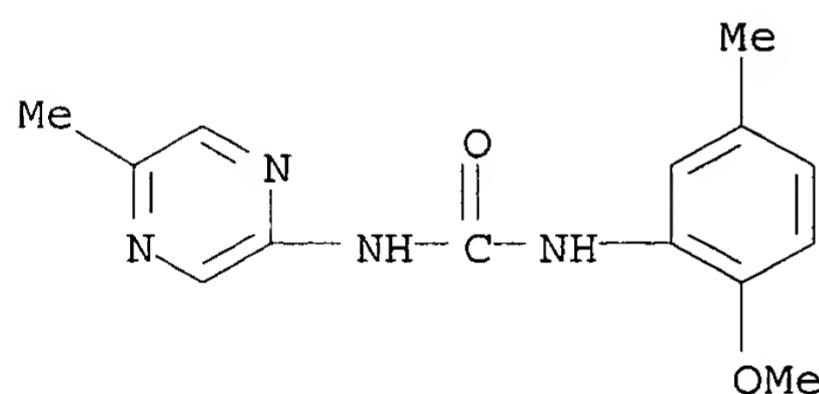
CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-(3-pyridinyl)phenyl)- (9CI) (CA INDEX NAME)



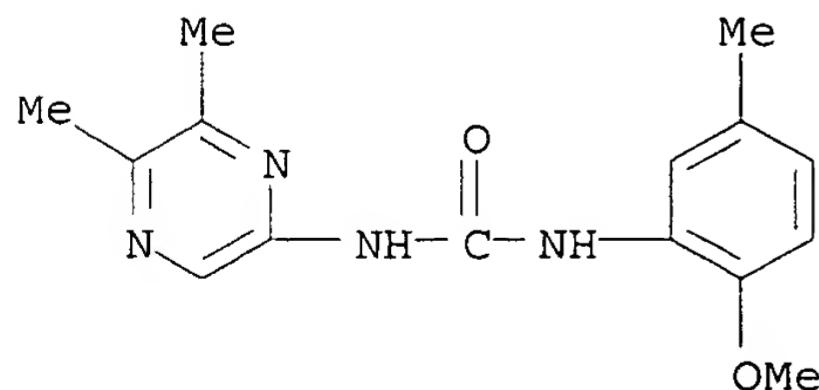
RN 457099-15-9 HCPLUS  
 CN Urea, N-(5-methylpyrazinyl)-N'-(5-methyl-2-(2-pyridinyloxy)phenyl)- (9CI)  
 (CA INDEX NAME)



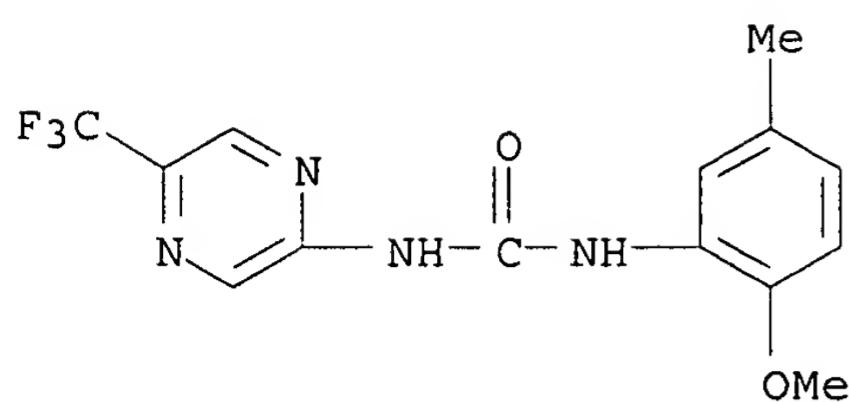
RN 457099-19-3 HCPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



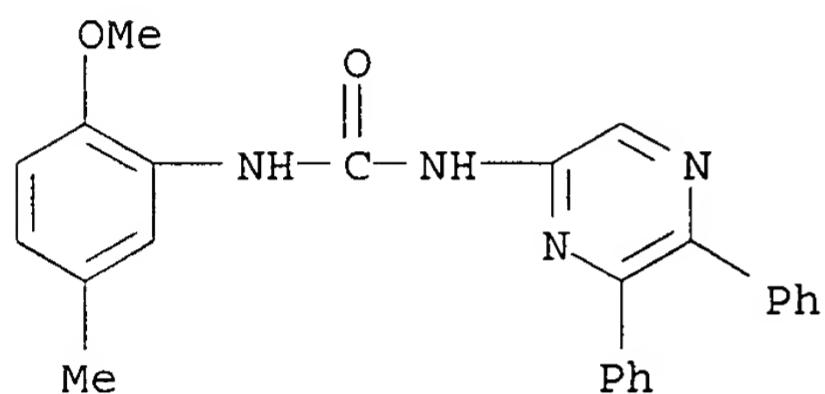
RN 457099-21-7 HCPLUS  
 CN Urea, N-(5,6-dimethylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



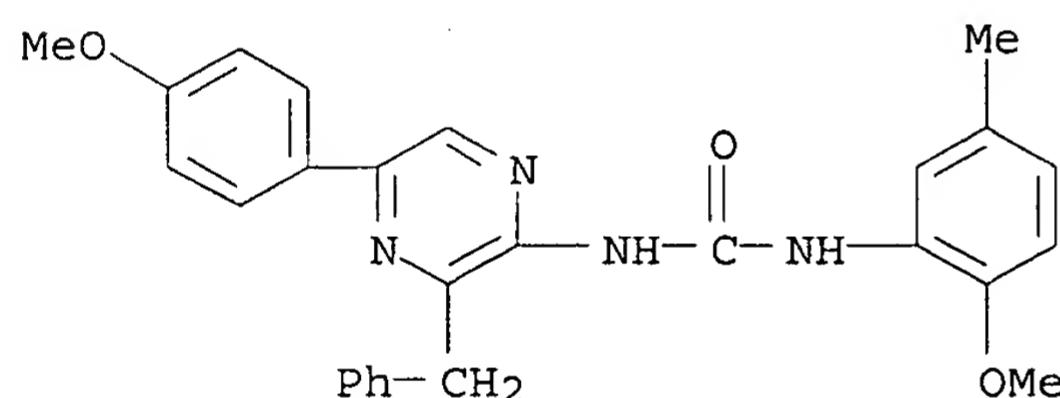
RN 457099-22-8 HCPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-(trifluoromethyl)pyrazinyl)- (9CI) (CA INDEX NAME)



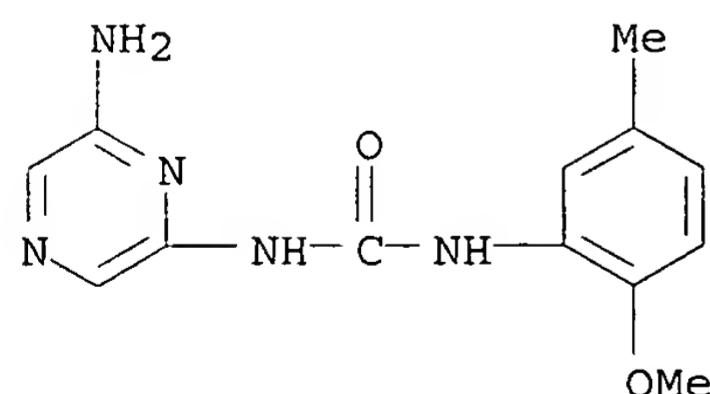
RN 457099-23-9 HCAPLUS  
 CN Urea, N-(5,6-diphenylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



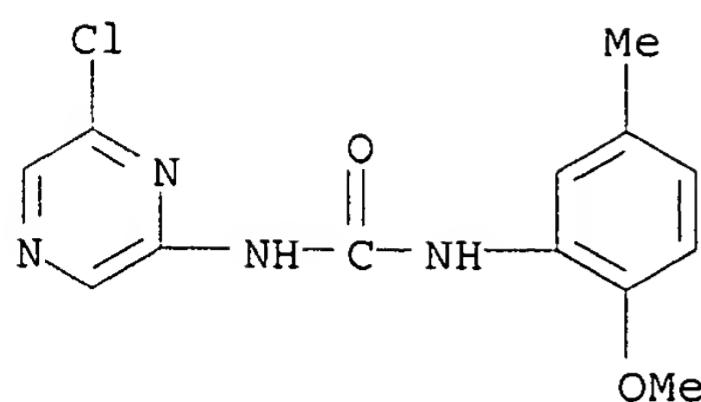
RN 457099-24-0 HCAPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-(4-methoxyphenyl)-3-(phenylmethyl)pyrazinyl)- (9CI) (CA INDEX NAME)



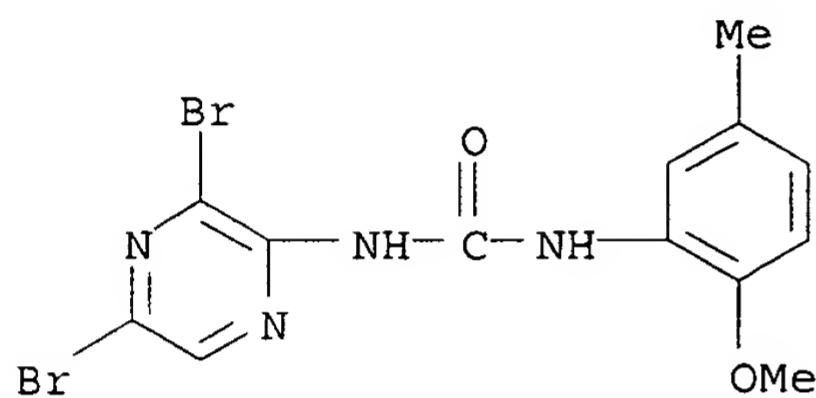
RN 457099-27-3 HCAPLUS  
 CN Urea, N-(6-aminopyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



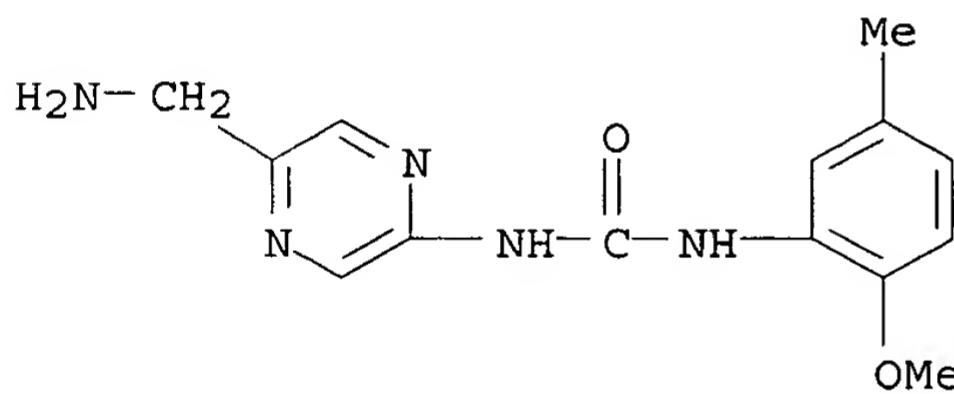
RN 457099-28-4 HCAPLUS  
 CN Urea, N-(6-chloropyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



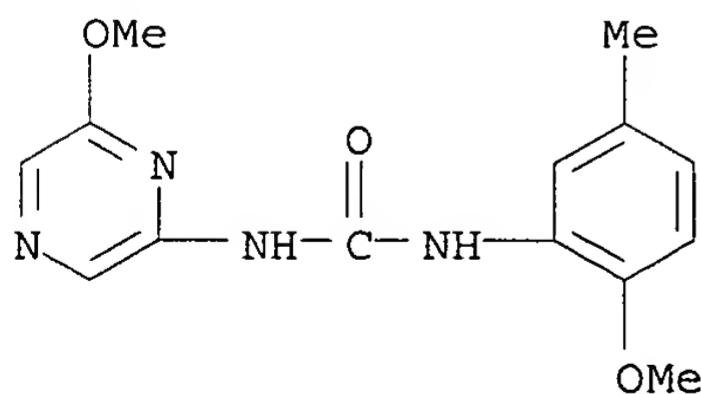
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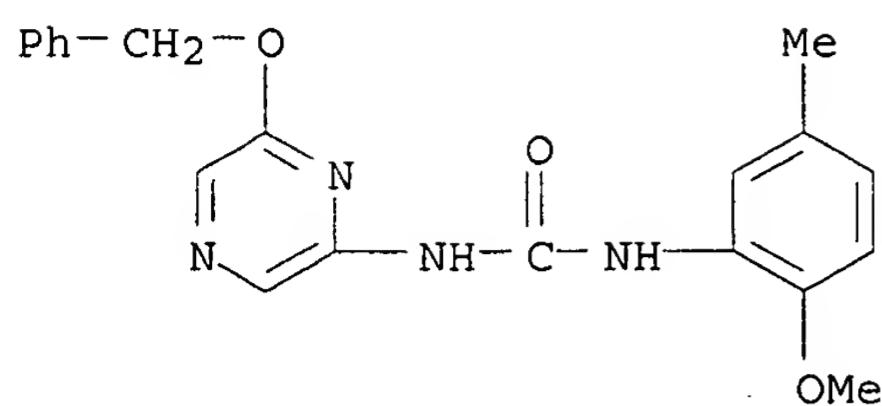
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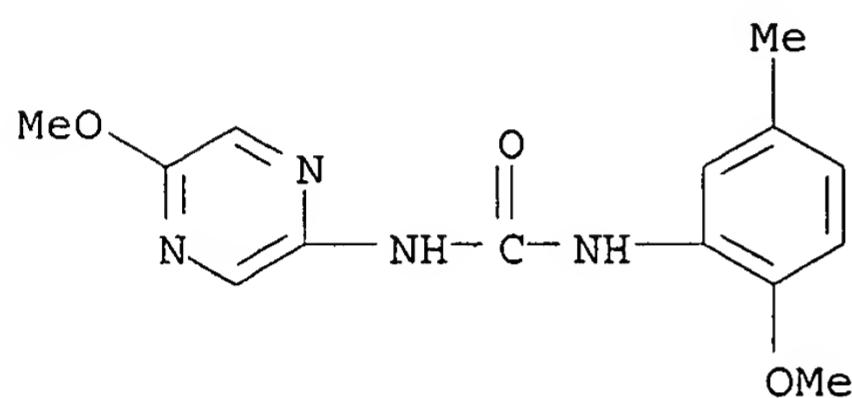
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 CN Urea, N- (2-methoxy-5-methylphenyl)-N' - (6-methoxypyrazinyl)- (9CI) (CA INDEX NAME)



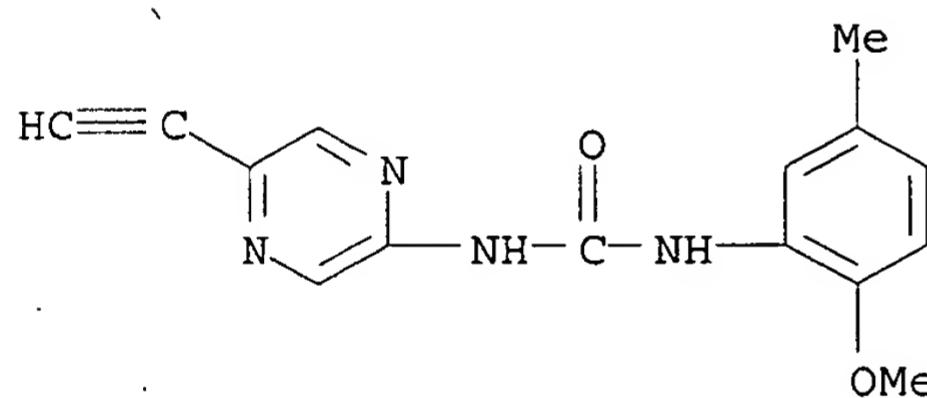
RN 457099-37-5 HCAPLUS  
 CN Urea, N- (2-methoxy-5-methylphenyl)-N' - [6- (phenylmethoxy)pyrazinyl]- (9CI) (CA INDEX NAME)



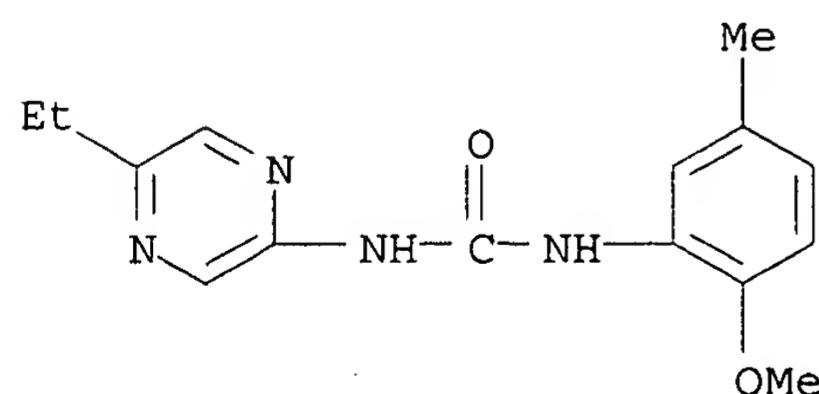
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 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-methoxypyrazinyl)- (9CI) (CA INDEX NAME)



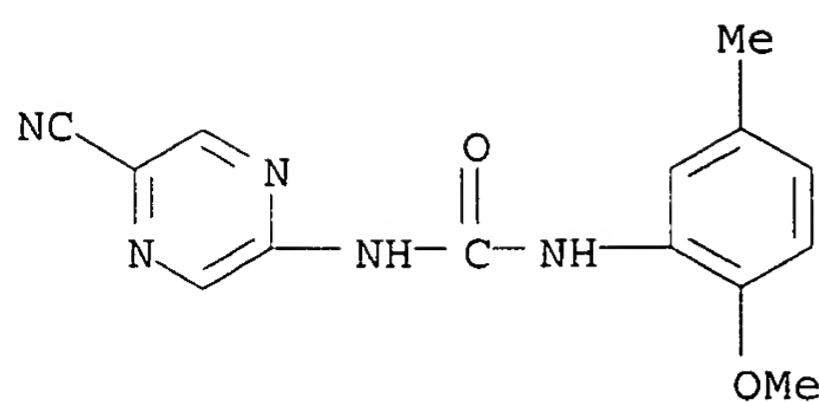
RN 457099-41-1 HCPLUS  
 CN Urea, N-(5-ethynylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



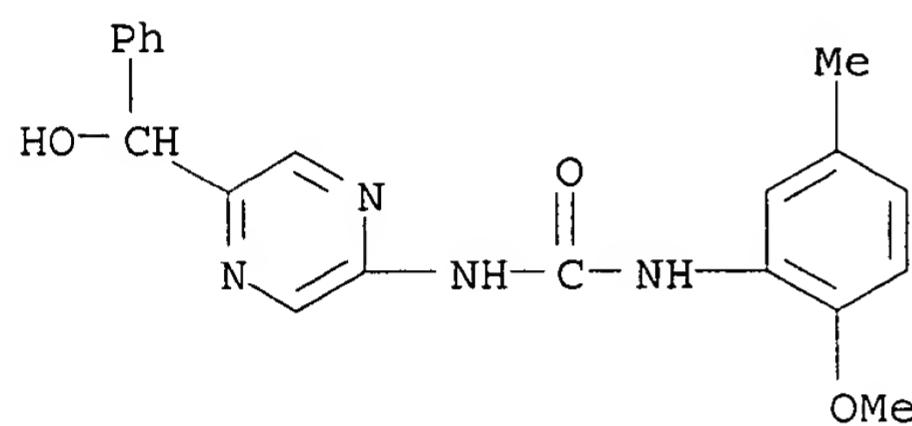
RN 457099-43-3 HCPLUS  
 CN Urea, N-(5-ethylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



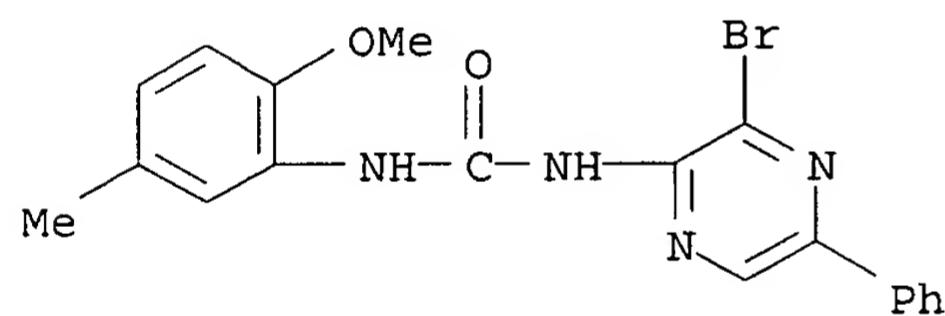
RN 457099-44-4 HCPLUS  
 CN Urea, N-(5-cyanopyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



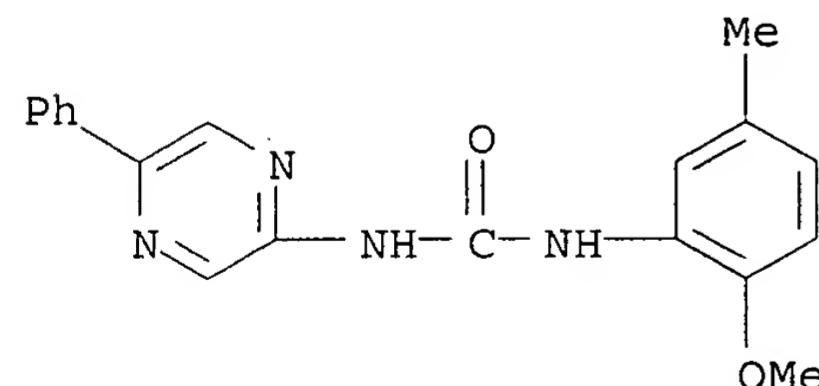
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 CN Urea, N-[5-(hydroxyphenylmethyl)pyrazinyl]-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



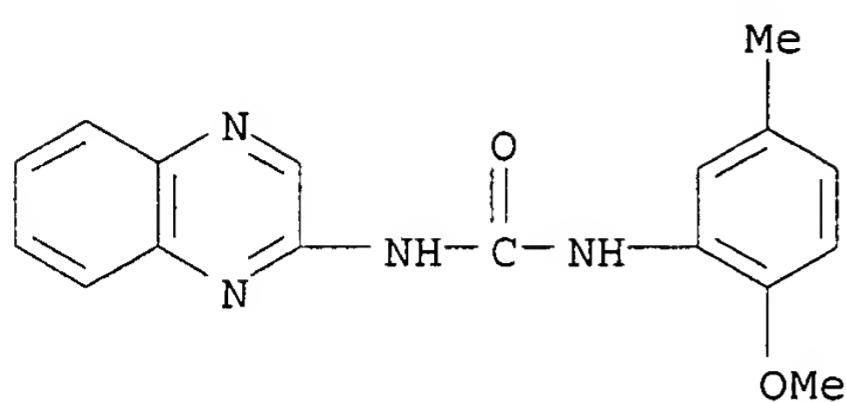
RN 457099-47-7 HCAPLUS  
 CN Urea, N-(3-bromo-5-phenylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



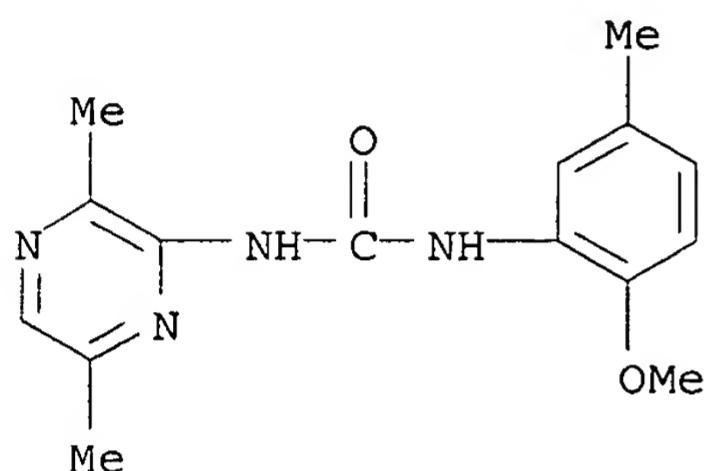
RN 457099-48-8 HCAPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-phenylpyrazinyl)- (9CI) (CA INDEX NAME)



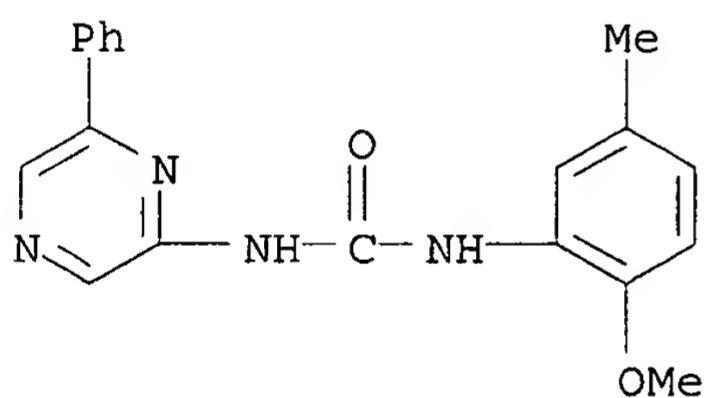
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 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-2-quinoxalinyl- (9CI) (CA INDEX NAME)



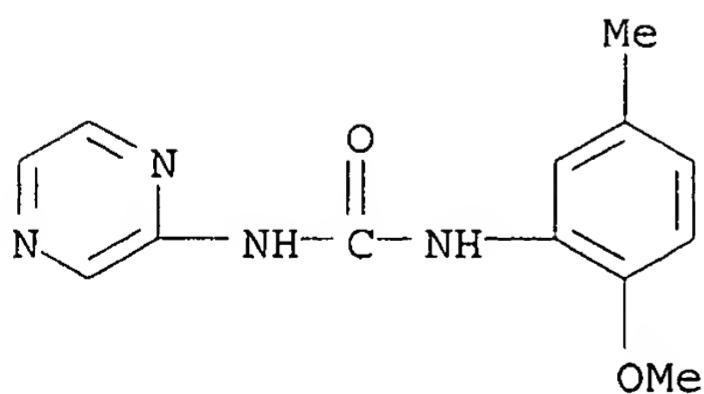
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 CN Urea, N-(3,6-dimethylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



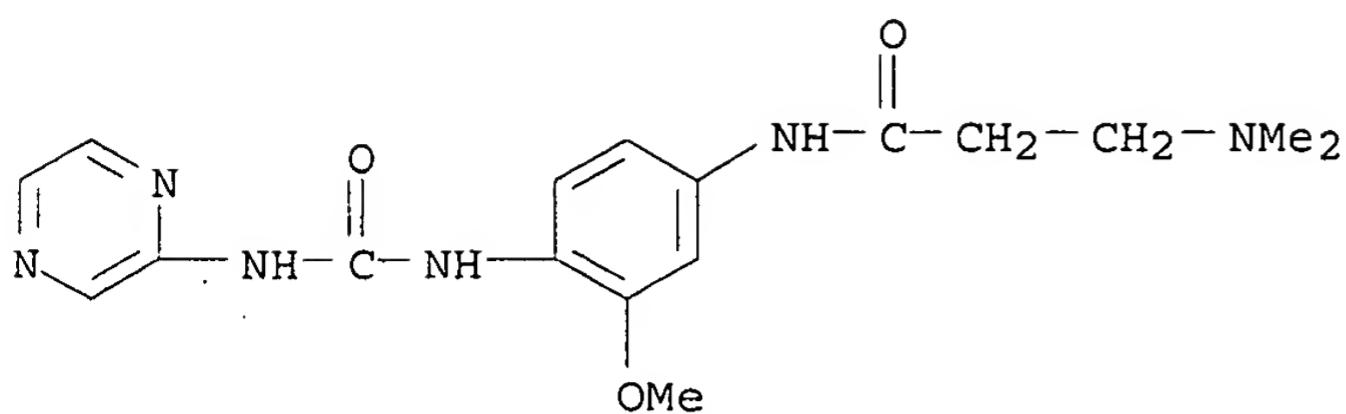
RN 457100-02-6 HCPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(6-phenylpyrazinyl)- (9CI) (CA INDEX NAME)



RN 457100-03-7 HCPLUS  
 CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(pyrazinyl)- (9CI) (CA INDEX NAME)



RN 457100-04-8 HCPLUS  
 CN Propanamide, 3-(dimethylamino)-N-[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

4 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE  
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L18 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:695962 HCAPLUS  
 DOCUMENT NUMBER: 137:232680  
 TITLE: Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication  
 INVENTOR(S): Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam Wade; Cowen, Scott Douglas; Burgess, Laurence Edward  
 PATENT ASSIGNEE(S): Icos Corporation, USA  
 SOURCE: PCT Int. Appl., 236 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002070494	A1	20020912	WO 2002-US6452	20020301
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2001-273124P	P 20010302
OTHER SOURCE(S):		MARPAT 137:232680		
AB	Aryl- and heteroaryl substituted urea compds. (W'NHC(:Y')N(R13)Z'; 1) useful in the treatment of diseases and conditions related to DNA damage or lesions in DNA replication are disclosed. In 1, W' is a six-membered arom. ring contg. at least 2 nitrogen atoms (e.g. pyrazinyl, pyrimidinyl, pyridazinyl, 1,2,4-triazinyl, quinoxalinyl) and optionally substituted as defined in the claims, Z' is a five- or six membered arom. or heteroarom.			

ring as defined in the claims, Y' is O or S. The first claim contains a much more general formula WX1C(:Y)X2Z (e.g. X1 = null, O, S, CH2, NR1; X2 = O, S, NR1) but emphasis is on 1. Methods of making the compds., and their use as therapeutic agents, for example, in treating cancer and other diseases characterized by defects in DNA replication, chromosome segregation, or cell division also are described. Although the methods of prepn. are not claimed, about 200 example prepn. are included. N-(2-methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea and N-(4-chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea enhanced the killing of various human cells by 5-fluorouracil from 2- to 10-fold; in HeLa cells, these same compds. enhanced killing by irradn. 2-3 fold.

IC ICM C07D241-20  
 ICS C07D401-12; C07D403-12; C07D241-54; A61K031-4965; A61K031-498;  
 A61P035-00; C07D405-12; C07D251-22; C07D231-40; C07D239-46;  
 C07D253-06; C07D239-42; C07D257-06; C07D213-75; C07D277-48

CC 28-19 (Heterocyclic Compounds (More Than One Hetero Atom))  
 Section cross-reference(s): 1

ST aryl heteroaryl urea prepn selective Chk1 inhibitor  
 radiosensitizer chemosensitizer; pyrazinyl urea prepn selective Chk1 inhibitor radiosensitizer chemosensitizer; pyrimidinyl urea prepn selective Chk1 inhibitor radiosensitizer chemosensitizer; pyridazinyl urea prepn selective Chk1 inhibitor radiosensitizer chemosensitizer; triazinyl urea prepn selective Chk1 inhibitor radiosensitizer chemosensitizer; quinoxalinyl urea prepn selective Chk1 inhibitor radiosensitizer chemosensitizer; antitumor agent  
 aryl heteroaryl urea selective Chk1 inhibitor prepn

IT **Neoplasm**  
 (ACTH-producing; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Bone, neoplasm**  
 (Ewing's sarcoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Sarcoma**  
 (Kaposi's; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Skin, neoplasm**  
 (T-cell lymphoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Granulomatous disease**  
 (Wegener's granulomatosis; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Kidney, neoplasm**  
 (Wilms'; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Penis**  
 (acuminate wart; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA

IT      damage or lesions in DNA replication)

IT      Leukemia  
          (acute lymphocytic; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Leukemia  
          (acute nonlymphocytic; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Alkylation  
          (agents; in combination with aryl and heteroaryl urea selective Chk1 inhibitors for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Nutrients  
          (anti-; in combination with aryl and heteroaryl urea selective Chk1 inhibitors for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Chemotherapy  
          (aryl and heteroaryl urea selective Chk1 inhibitors for use as sensitizers in)

IT      Astrocyte  
          (astrocytoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Lung, neoplasm

IT      Mouth

IT      Ovary, neoplasm  
          (carcinoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Uterus, neoplasm  
          (cervix, carcinoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Drugs  
          (chemosensitizers and radiosensitizers; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as)

IT      Leukemia  
          (chronic lymphocytic; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Leukemia  
          (chronic myelocytic; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Intestine, neoplasm  
          (colon; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT      Intestine, neoplasm  
          (colorectal, and related polyps; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and

chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Intestine, neoplasm  
(colorectal; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Mammary gland  
(ductal carcinoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Lymphoma  
(effusion; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Uterus, disease  
(endometrium, hyperplasia; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Neoplasm  
(epithelial, primary peritoneal; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Neuroglia  
(glioma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Leukemia  
(hairy-cell; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Blood vessel, neoplasm  
(hemangiopericytoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Gamma ray  
IR radiation  
Light  
Microwave  
UV radiation  
X-ray  
(in combination with aryl and heteroaryl urea selective Chk1 inhibitors for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Antibodies  
Cytokines  
Growth factors, animal  
Hemopoietins  
Lymphokines  
Radionuclides, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(in combination with aryl and heteroaryl urea selective Chk1 inhibitors for treating diseases and conditions related to DNA damage

or lesions in DNA replication)

IT Skin, neoplasm  
(keratinocyte; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Thymus gland  
(lymphoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Mesothelium  
(mesothelioma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Neoplasm  
(metastasis; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Carcinoma  
(myxoid and round cell; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Lymph node  
(neoplasm, metastasis; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Bladder

Gallbladder

Head

Mammary gland

Neck, anatomical

Pleura

Prostate gland

Trophoblast

Vagina  
(neoplasm; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Nerve, neoplasm  
(neuroblastoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Lymphoma  
(non-Hodgkin's; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Hormones, animal, biological studies  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(or antagonist thereof; in combination with aryl and heteroaryl urea selective Chk1 inhibitors for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Bone, neoplasm

(osteomas; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Bone, neoplasm  
(osteosarcoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Ovary, neoplasm  
(ovarian follicle; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Radiosensitizers, biological  
(pharmaceutical; aryl and heteroaryl urea selective Chk1 inhibitors for use as sensitizers in)

IT Radiosensitizers, biological  
(pharmaceutical; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as)

IT Human  
(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers)

IT Adrenal cortex, neoplasm  
Antirheumatic agents  
Antitumor agents  
Ascitic fluid  
Brain, neoplasm  
Hodgkin's disease  
Leukemia  
Liver, neoplasm  
Lymphoma  
Melanoma  
Multiple myeloma  
Ovary, neoplasm  
Pancreas, neoplasm  
Psoriasis  
Rheumatoid arthritis  
Stomach, neoplasm  
Testis, neoplasm  
Thyroid gland, neoplasm  
Uterus, neoplasm  
Vitiligo  
(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Kidney, neoplasm  
(renal cell carcinoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Eye, neoplasm  
(retinoblastoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT Lung, neoplasm  
(small-cell carcinoma; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA

IT damage or lesions in DNA replication)  
 Esophagus (squamous cell **carcinoma**; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Carcinoma** (squamous cell; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Lupus erythematosus** (systemic; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Bladder** (transitional cell **carcinoma**; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT **Reproductive organ** (vulva, **neoplasm**; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT 154907-65-0, **Checkpoint kinase Chk1**  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers)

IT 457096-68-3P, 1-(2-Methoxy-5-nitrophenyl)-3-(pyrazin-2-yl)urea  
 457096-69-4P, 1-(5-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea  
 457096-71-8P, (S)-1-(2,2,2-Trifluoroethanoyl)pyrrolidine-2-carboxylic acid [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide  
 457096-74-1P, 1-(2-Methoxy-4-nitrophenyl)-3-(pyrazin-2-yl)urea  
 457096-75-2P, 1-(4-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea  
 457096-78-5P, 3-Chloro-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide 457097-32-4P,  
 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoic acid 457097-53-9P,  
 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid 457099-26-2P,  
 1-(6-Azidopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-29-5P,  
 1-(5-Bromopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-31-9P,  
 1-[5-(1,3-Dioxo-1,3-dihydroisoindol-2-ylmethyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea 457099-45-5P, 1-(5-Benzoylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-67-1P, 1-(4-Aminomethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (intermediate; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT 5424-05-5P, Quinoxalin-2-ylamine 5521-58-4P, 2-Amino-5-methylpyrazine  
 6294-70-8P, 2-Amino-5,6-dimethylpyrazine 6905-47-1P,  
 2-Amino-6-methoxypyrazine 13134-38-8P, 2-Amino-3,6-dimethylpyrazine  
 13535-07-4P, 2-Amino-5-ethylpyrazine 13535-13-2P, 2-Amino-5-phenylpyrazine 18591-57-6P, 2-Hydroxy-5,6-diphenylpyrazine  
 23145-65-5P, 3-Methoxy-4-nitrobenzyl bromide 24812-90-6P, Methyl 3-amino-4-methoxy benzoate 32111-28-7P, 2-Methylaminopyrazine

41270-66-0P, 2-Chloro-5,6-diphenylpyrazine 41270-69-3P,  
 2-Amino-6-phenylpyrazine 41270-71-7P, 2-Amino-5,6-diphenylpyrazine  
 53951-84-1P, Quinoline-3-carboxylic acid methyl ester 59489-71-3P,  
 2-Amino-5-bromopyrazine 62992-68-1P, N-Benzylisonipecotamide  
 67579-92-4P, 3-Methoxy-4-nitrobenzoyl chloride 67602-05-5P,  
 2-Amino-3-bromo-5-phenylpyrazine 76849-26-8P, 2-Azido-5,6-  
 diphenylpyrazine 79180-47-5P, (1,2,3,4-Tetrahydroquinolin-3-yl)methanol  
 83505-98-0P, 2-Azido-3,6-dimethylpyrazine 88915-26-8P,  
 4-Aminomethyl-1-benzylpiperidine 101385-90-4P, (3S)-1-Benzylpyrrolidin-3-  
 ol 113305-94-5P, 2-Amino-5-cyanopyrazine 118543-98-9P,  
 5-Benzoylpyrazine-2-carboxylic acid 126993-72-4P, 2-Amino-6-  
 benzyloxypyrazine 174864-78-9P, 2-(4-Amino-3-methoxybenzyl)isoindole-1,3-  
 dione 175393-16-5P, Quinoxaline-2-carbonyl azide 177202-62-9P,  
 1,2,3,4-Tetrahydroquinoline-3-carboxylic acid methyl ester 191112-67-1P  
 369638-68-6P 369638-69-7P, (5-Bromomethylpyrazin-2-yl)carbamic acid  
 tert-butyl ester 457096-83-2P, 4-Methoxy-3-[(4-  
 nitrophenoxy carbonyl)amino]benzoic acid methyl ester 457096-84-3P  
 , 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoic acid methyl ester  
**457097-34-6P**, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoic acid  
 methyl ester **457097-54-0P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzoic acid methyl ester 457097-72-2P, ((3R)-1-[(Pyridin-2-  
 yl)methyl]pyrrolidin-3-yl)carbamic acid tert-butyl ester 457097-73-3P,  
 (3R)-1-[(Pyridin-2-yl)methyl]pyrrolidin-3-ylamine dihydrochloride  
 457097-93-7P, 4-Amino-3-trifluoromethoxybenzoic acid methyl ester  
 457097-94-8P, 4-((4-Nitrophenoxy carbonyl)amino)-3-trifluoromethoxybenzoic  
 acid methyl ester **457097-95-9P**, 4-[3-(5-Methylpyrazin-2-  
 yl)ureido]-3-trifluoromethoxybenzoic acid methyl ester  
**457097-96-0P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-  
 trifluoromethoxybenzoic acid 457097-99-3P, (3S)-3-(tert-  
 Butoxycarbonyl amino)-1-(4-fluorobenzyl)pyrrolidine 457098-00-9P,  
 (3S)-3-Amino-1-(4-fluorobenzyl)pyrrolidine 457098-02-1P,  
 3-Methoxy-4-nitrobenzoic acid (3S)-1-benzylpyrrolidin-3-yl ester  
 457098-03-2P, 4-Amino-3-methoxybenzoic acid (3S)-1-benzylpyrrolidin-3-yl  
 ester **457098-05-4P**, 3-Methoxy-4-[3-(5-trifluoromethylpyrazin-2-  
 yl)ureido]benzoic acid methyl ester **457098-07-6P**,  
 3-Methoxy-4-[3-(5-trifluoromethylpyrazin-2-yl)ureido]benzoic acid  
 457098-09-8P, 5-Methoxy-4-amino-2-trifluoromethylbenzoic acid methyl ester  
 457098-10-1P, 5-Methoxy-4-((4-nitrophenoxy carbonyl)amino)-2-  
 trifluoromethylbenzoic acid methyl ester **457098-11-2P**,  
 5-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-2-trifluoromethylbenzoic acid  
 methyl ester **457098-12-3P**, 5-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-2-trifluoromethylbenzoic acid 457098-14-5P,  
 3-(3-Dimethylaminopropoxy)-4-nitrobenzoic acid methyl ester  
 457098-15-6P, 4-Amino-3-(3-dimethylaminopropoxy)benzoic acid methyl ester  
**457098-16-7P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzoic acid methyl ester 457098-18-9P, 4-Nitro-3-(pyridin-3-  
 ylmethoxy)benzoic acid methyl ester 457098-19-0P, 4-Amino-3-(pyridin-3-  
 ylmethoxy)benzoic acid methyl ester **457098-20-3P**,  
 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzoic acid  
 methyl ester 457098-39-4P, [2-(3-Dimethylaminopropoxy)-5-  
 methylphenyl]carbamic acid tert-butyl ester 457098-40-7P,  
 2-(3-Dimethylaminopropoxy)-5-methylphenylamine 457098-90-7P,  
 1-Ethyl-1,2,3,4-tetrahydroquinoline-3-carboxylic acid methyl ester  
 457098-91-8P, [5-Methyl-2-(1,2,3,4-tetrahydroquinolin-3-  
 ylmethoxy)phenyl]carbamic acid tert-butyl ester 457098-93-0P,  
 (1-Ethyl-1,2,3,4-tetrahydroquinolin-3-yl)methanol 457098-94-1P,  
 [2-(1-Ethyl-1,2,3,4-tetrahydroquinolin-3-ylmethoxy)-5-  
 methylphenyl]carbamic acid tert-butyl ester 457098-98-5P,  
 1-[2-(4-Methyl-2-nitrophenoxy)ethyl]aziridine 457099-13-7P,  
 3-(4-Methyl-2-nitrophenoxy)pyridine 457099-14-8P, 5-Methyl-2-(pyridin-3-

yloxy)phenylamine 457099-16-0P, 2-(4-Methyl-2-nitrophenoxy)pyridine 457099-17-1P, 5-Methyl-2-(pyridin-2-yloxy)phenylamine 457099-18-2P, 3-(2-Methoxy-5-methylphenyl)-1-methyl-1-(pyrazin-2-yl)urea 457099-32-0P, [5-(1,3-Dioxo-1,3-dihydroisoindol-2-ylmethyl)pyrazin-2-yl]carbamic acid tert-butyl ester 457099-33-1P, 2-(5-Aminopyrazin-2-ylmethyl)isoindole-1,3-dione 457099-42-2P, 2-Amino-5-ethynylpyrazine 457099-51-3P, 2-Methoxy-4-methoxymethyl-1-nitrobenzene 457099-52-4P, 2-Methoxy-4-methoxymethylphenylamine 457099-55-7P, 4-Benzylloxymethyl-2-methoxy-1-nitrobenzene 457099-56-8P, 4-Benzylloxymethyl-2-methoxyphenylamine 457099-58-0P, N-Benzyl-N-(3-methoxy-4-nitrobenzyl)amine 457099-59-1P, Benzyl(3-methoxy-4-nitrobenzyl)carbamic acid tert-butyl ester 457099-61-5P, (3-Methoxy-4-nitrobenzyl)(methyl)carbamic acid tert-butyl ester 457099-62-6P, (4-Amino-3-methoxybenzyl)(methyl)carbamic acid tert-butyl ester 457099-63-7P, N-Benzyl-N-(3-methoxy-4-nitrobenzyl)methylamine 457099-64-8P, 4-[(Benzylmethylamino)methyl]-2-methoxyphenylamine 457099-66-0P, (3-Methoxy-4-nitrobenzyl)dimethylamine  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT 196868-94-7P, N-(4-Chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 457096-65-0P, 1-[2-(1,1-Difluoromethoxy)phenyl]-3-(pyrazin-2-yl)urea 457096-67-2P, 1-(2-Methylsulfonylphenyl)-3-(pyrazin-2-yl)urea 457096-70-7P, N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]succinamic acid 457096-72-9P, (S)-Pyrrolidine-2-carboxylic acid [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide 457096-73-0P, N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]methanesulfonamide 457096-77-4P, C-Dimethylamino-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]acetamide trifluoroacetate 457096-79-6P, N-(4-((3-(Cyclohexyl(methyl)amino)propano-yl)amino)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 457096-80-9P, 3-(Cyclohexyl(methyl)amino)-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide trifluoroacetate 457096-81-0P, 3-(Cyclopentylamino)-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide 457096-82-1P, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoic acid 457096-85-4P, N-Butyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-86-5P, 1-[4-[(Benzylmethylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457096-87-6P, N-Benzyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-89-8P, 3-Methoxy-N-phenethyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-90-1P, 3-Methoxy-N-(3-phenylpropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-92-3P, N-(2-(Benzenesulfonyl)ethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-95-6P, N-(4-Iodobenzyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457096-97-8P 457096-99-0P, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-yl)ethyl)benzamide 457097-01-7P, N-(1H-Benzimidazol-2-ylmethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-04-0P 457097-05-1P, 3-Methoxy-N-[3-(methylphenylamino)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-08-4P 457097-10-8P, N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-13-1P, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-16-4P, N-(2-Dimethylaminoethyl)-3-methoxy-N-methyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-18-6P, 3-Methoxy-N-(3-methylaminopropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-21-1P, N-(3-Dimethylaminopropyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-23-3P, N-(3-Dimethylaminopropyl)-3-

methoxy-N-methyl-4-(3-(pyrazin-2-yl)ureido)benzamide 457097-25-5P  
 , 3-Methoxy-N-(3-(morpholin-4-yl)propyl)-4-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-27-7P, 3-Methoxy-N-[3-(4-  
 methylpiperazin-1-yl)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-29-9P, [2-[3-Methoxy-4-(3-(pyrazin-2-  
 yl)ureido)benzoylamino]ethyl]trimethylammonium chloride  
 457097-35-7P, N-Butyl-4-methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-36-8P, N-Benzyl-4-methoxy-3-(3-  
 (pyrazin-2-yl)ureido)benzamide 457097-37-9P,  
 4-Methoxy-N-phenethyl-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-38-0P, 4-Methoxy-N-(3-phenylpropyl)-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-39-1P, N-(2-(Benzenesulfonyl)ethyl)-4-  
 methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-40-4P,  
 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-2-yl)ethyl)benzamide  
 457097-41-5P, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-  
 yl)ethyl)benzamide 457097-42-6P, N-(1H-Benzimidazol-2-ylmethyl)-  
 4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-43-7P,  
 N-[2-(1H-Indol-3-yl)ethyl]-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-44-8P, 4-Methoxy-N-[3-(methylphenylamino)propyl]-3-(3-  
 (pyrazin-2-yl)ureido)benzamide 457097-45-9P 457097-46-0P,  
 N-(2-Dimethylaminoethyl)-4-methoxy-N-methyl-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-47-1P, 4-Methoxy-N-(3-  
 methylaminopropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide  
 457097-48-2P, N-(3-Dimethylaminopropyl)-4-methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-49-3P, N-(3-Dimethylaminopropyl)-4-  
 methoxy-N-methyl-3-(3-(pyrazin-2-yl)ureido)benzamide 457097-50-6P  
 , 4-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-3-(3-(pyrazin-2-  
 yl)ureido)benzamide 457097-51-7P, [2-[4-Methoxy-3-(3-(pyrazin-2-  
 yl)ureido)benzoylamino]ethyl]trimethylammonium chloride  
 457097-52-8P, 4-Methoxy-N-(3-(morpholin-4-yl)propyl)-3-(3-(pyrazin-  
 2-yl)ureido)benzamide 457097-57-3P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-(2-(pyridin-2-yl)ethyl)benzamide 457097-59-5P,  
 N-(1-Benzylpiperidin-4-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-61-9P, N-(3-Dimethylaminopropyl)-3-  
 methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-63-1P  
 , 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(3-(morpholin-4-  
 yl)propyl)benzamide 457097-65-3P, N-(2-(Dimethylamino)-2-  
 phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide  
 457097-68-6P, N-(2-(Dimethylamino)-1-phenylethyl)-3-methoxy-4-[3-  
 (5-methylpyrazin-2-yl)ureido]benzamide 457097-70-0P,  
 N-(1-Azabicyclo[2.2.2]oct-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-71-1P, 3-Methoxy-4-[3-(5-  
 methylpyrazin-2-yl)ureido]-N-((3R)-1-(pyridin-2-yl)methylpyrrolidin-3-  
 yl)benzamide 457097-74-4P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-((3R)-1-methylpyrrolidin-3-yl)benzamide 457097-76-6P,  
 N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-77-7P, 3-Methoxy-4-[3-(5-  
 methylpyrazin-2-yl)ureido]-N-((3R)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-  
 yl)benzamide 457097-79-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-((3S)-1-[(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide  
 457097-81-3P, N-((3R)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-  
 4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-83-5P,  
 N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]benzamide 457097-84-6P, 3-Methoxy-4-[3-(5-  
 methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-2-yl)methyl]pyrrolidin-3-  
 yl)benzamide 457097-86-8P, 3-Methoxy-4-[3-(5-methylpyrazin-2-  
 yl)ureido]-N-((3S)-1-[(pyridin-3-yl)methyl]pyrrolidin-3-yl)benzamide  
 457097-87-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-  
 1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide 457097-90-4P,  
 N-((3S)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-

2-yl)ureido]benzamide 457097-92-6P, N-((3S)-1-Benzylpyrrolidin-3-yl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzamide  
**457097-97-1P**, N-(1-Benzylpiperidin-4-ylmethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457097-98-2P, N-[(3S)-1-(4-Fluorobenzyl)pyrrolidin-3-yl]-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-01-0P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid (3S)-1-benzylpyrrolidin-3-yl ester 457098-04-3P, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-trifluoromethylpyrazin-2-yl)ureido]benzamide 457098-08-7P, 5-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)-2-trifluoromethylbenzamide 457098-13-4P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid 457098-17-8P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzoic acid 457098-21-4P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-22-5P, 3-(3-Dimethylaminopropoxy)-N,N-dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-23-6P, N-Benzyl-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-24-7P, N-Benzyl-3-(3-dimethylaminopropoxy)-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-25-8P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)benzamide 457098-26-9P, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]benzamide 457098-27-0P, N-(2-Dimethylaminoethyl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-28-1P, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide 457098-29-2P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-30-5P, N-Methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-31-6P, N-Dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-32-7P, N-Benzyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-33-8P, N-Benzyl-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-34-9P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)-3-(pyridin-3-ylmethoxy)benzamide 457098-35-0P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]-3-(pyridin-3-ylmethoxy)benzamide 457098-36-1P, N-(2-Dimethylaminoethyl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide 457098-37-2P 457098-38-3P, 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea 457098-41-8P, 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(pyrazin-2-yl)urea 457098-42-9P, 1-[5-Methyl-2-(pyridin-3-ylmethoxy)phenyl]-3-(pyrazin-2-yl)urea 457098-43-0P, 1-[5-Methyl-2-[3-(2-oxopyrrolidin-1-yl)propoxy]phenyl]-3-(pyrazin-2-yl)urea 457098-44-1P, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(pyrazin-2-yl)urea 457098-45-2P, 1-[5-Methyl-2-(3-(morpholin-4-yl)propoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-46-3P, 1-[2-(3-Dimethylaminopropoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-47-4P, 1-[5-Methyl-2-(2-(morpholin-4-yl)ethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-48-5P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-ylmethoxy)phenyl]urea 457098-49-6P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-4-ylmethoxy)phenyl]urea 457098-50-9P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-3-ylmethoxy)phenyl]urea 457098-51-0P, 1-[2-(2-Dimethylaminoethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-52-1P, 1-(5-Methylpyrazin-2-yl)-3-[2-(pyridin-3-ylmethoxy)-5-trifluoromethylphenyl]urea 457098-53-2P, 1-[5-Methyl-2-(6-methylpyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-55-4P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(2-(pyridin-2-yl)ethoxy)phenyl]urea 457098-57-6P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-

2-(3-(pyridin-2-yl)propoxy)phenyl]urea 457098-59-8P,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(3-(pyridin-4-  
 yl)propoxy)phenyl]urea 457098-60-1P, 1-[2-[2-(Benzylmethy lamino)ethoxy]-  
 5-methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-62-3P,  
 1-[5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457098-64-5P, 1-[2-[2-(4-Dimethylaminophenyl)ethoxy]-5-  
 methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-66-7P,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(3-(pyridin-3-  
 yl)propoxy)phenyl]urea 457098-68-9P, 1-[2-(2-(Dimethylamino)-1-  
 ((dimethylamino)methyl)ethoxy)-5-methylphenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457098-70-3P, 1-[5-Methyl-2-((2S)-1-methylpyrrolidin-2-  
 ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-72-5P,  
 1-[2-((2S)-1-Benzylpyrrolidin-2-ylmethoxy)-5-methylphenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457098-74-7P, 1-(5-Methylpyrazin-2-yl)-3-[5-  
 methyl-2-(2-pyrrolidin-1-ylethoxy)phenyl]urea 457098-75-8P,  
 1-[5-Methyl-2-[2-(1-methylpyrrolidin-2-yl)ethoxy]phenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457098-76-9P, 1-[2-(3H-Imidazol-4-ylmethoxy)-5-  
 methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-77-0P,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(2-(pyridin-3-yl)ethoxy)phenyl]urea  
 457098-78-1P, 1-[5-Methyl-2-(3-(piperidin-1-yl)propoxy)phenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457098-79-2P, 1-[5-Methyl-2-(1-methylpiperidin-4-  
 yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-80-5P,  
 1-[2-(1-Benzylpiperidin-4-yloxy)-5-methylphenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457098-81-6P, 1-[5-Methyl-2-((3S)-1-methylpiperidin-3-  
 ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457098-82-7P,  
 1-[5-Methyl-2-((3R)-1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457098-84-9P, 1-(5-Methylpyrazin-2-yl)-3-[5-  
 methyl-2-(1-(pyridin-3-yl)ethoxy)phenyl]urea 457098-85-0P,  
 1-[5-Methyl-2-(1-methylpiperidin-2-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457098-86-1P, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-  
 (tetrahydrofuran-2-ylmethoxy)phenyl]urea 457098-87-2P,  
 1-[5-Methyl-2-(1-methylpiperidin-4-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457098-88-3P, 1-[5-Methyl-2-(1-methylpiperidin-3-yloxy)phenyl]-3-  
 (5-methylpyrazin-2-yl)urea 457098-89-4P, 1-(5-Methylpyrazin-2-yl)-3-[5-  
 methyl-2-(1,2,3,4-tetrahydroquinolin-3-ylmethoxy)phenyl]urea  
 457098-92-9P, 1-[2-(1-Ethyl-1,2,3,4-tetrahydroquinolin-3-ylmethoxy)-5-  
 methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457098-95-2P,  
 1-[5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(quinoxalin-2-  
 yl)urea 457098-96-3P, 1-[5-Methyl-2-(pyridin-3-ylmethoxy)phenyl]-3-  
 (quinoxalin-2-yl)urea 457098-99-6P, 1-[2-(2-(Aziridin-1-yl)ethoxy)-5-  
 methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-00-2P,  
 1-[2-(3-Dimethylaminobenzyloxy)-5-methylphenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457099-01-3P, 1-[2-(1-Isopropylpyrrolidin-3-yloxy)-5-  
 methylphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-02-4P,  
 1-[5-Methyl-2-(1-methylpyrrolidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457099-03-5P, 1-[5-Methyl-2-(piperidin-3-ylmethoxy)phenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457099-04-6P, 1-[5-Fluoro-2-(pyridin-3-  
 ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-05-7P,  
 1-[5-Fluoro-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-  
 yl)urea 457099-06-8P, 1-[5-Fluoro-2-(1-methylpiperidin-4-  
 yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-07-9P,  
 1-[4-Fluoro-2-(pyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-08-0P, 1-[4-Fluoro-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-  
 3-(5-methylpyrazin-2-yl)urea 457099-09-1P, 1-[4-Fluoro-2-(1-  
 methylpiperidin-4-yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-10-4P, 1-[3,4-Difluoro-2-(pyridin-3-ylmethoxy)phenyl]-3-(5-  
 methylpyrazin-2-yl)urea 457099-11-5P, 1-(5-Methylpyrazin-2-yl)-3-[5-  
 methyl-2-(pyridin-4-yloxy)phenyl]urea 457099-12-6P, 1-(5-Methylpyrazin-2-  
 yl)-3-[5-methyl-2-(pyridin-3-yloxy)phenyl]urea 457099-15-9P,  
 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(pyridin-2-yloxy)phenyl]urea

457099-19-3P 457099-21-7P, 1-(5,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-22-8P, 1-(2-Methoxy-5-methylphenyl)-3-(5-trifluoromethylpyrazin-2-yl)urea 457099-23-9P, 1-(5,6-Diphenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-24-0P, 1-[3-Benzyl-5-(4-methoxyphenyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea  
 457099-27-3P, 1-(6-Aminopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea  
 457099-28-4P, 1-(6-Chloropyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea  
 457099-30-8P, 1-(3,5-Dibromopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea  
 457099-34-2P, 1-(5-Aminomethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-35-3P, 1-(2-Methoxy-5-methylphenyl)-3-(6-methoxypyrazin-2-yl)urea 457099-37-5P, 1-(6-Benzylloxypyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-40-0P, 1-(2-Methoxy-5-methylphenyl)-3-(5-methoxypyrazin-2-yl)urea 457099-41-1P, 1-(5-Ethynylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-43-3P, 1-(5-Ethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-44-4P, 1-(5-Cyanopyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-46-6P, 1-[5-(Hydroxyphenylmethyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea  
 457099-47-7P, 1-(3-Bromo-5-phenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea 457099-48-8P, 1-(2-Methoxy-5-methylphenyl)-3-(5-phenylpyrazin-2-yl)urea 457099-49-9P 457099-50-2P, 1-(3,6-Dimethylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea  
 457099-53-5P, 1-(2-Methoxy-4-methoxymethylphenyl)-3-(5-methylpyrazin-2-yl)urea 457099-54-6P, 1-(4-Benzylloxymethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea 457099-57-9P, 1-[4-[(Benzylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-60-4P, 1-(2-Methoxy-4-[(methylamino)methyl]phenyl)-3-(5-methylpyrazin-2-yl)urea 457099-65-9P, 1-(4-((Dimethylamino)methyl)-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea  
 457099-68-2P, 1-[2-Methoxy-4-[[thiophen-2-ylmethyl]amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-69-3P, 1-[2-Methoxy-4-[[thiophen-3-ylmethyl]amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-70-6P, 1-[4-[[Furan-2-ylmethyl]amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-71-7P, 1-[4-[[Furan-3-ylmethyl]amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea 457099-72-8P, 1-[2-Methoxy-4-[(2-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-73-9P, 1-[2-Methoxy-4-[(3-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea 457099-74-0P, 1-[2-Methoxy-4-[(4-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea  
 457099-75-1P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-76-2P, 2-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-77-3P, 2-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide 457099-78-4P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(pyridin-2-yl)acetamide  
 457099-79-5P  
 N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(4-methoxyphenyl)acetamide 457099-80-8P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzamide 457099-81-9P, Pyridine-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide 457099-82-0P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]nicotinamide 457099-83-1P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]isonicotinamide 457099-84-2P, Thiophene-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide 457099-85-3P, 3-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzamide 457099-86-4P 457099-87-5P  
 457099-88-6P, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide 457099-89-7P,

N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-trifluoromethoxybenzenesulfonamide 457099-90-0P,  
 3-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide 457099-91-1P,  
 4-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide 457099-92-2P,  
 Pyridine-2-sulfonic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide 457099-93-3P, N-(2-Methoxy-3-((2-(4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea 457099-94-4P, N-(2-Methoxy-3-((2-(1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea 457099-95-5P, N-(4-((2-Chloroethyl)carbamoyl)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 457099-96-6P, N-(2-Methoxy-4-((2-(4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea 457099-97-7P, N-(2-Methoxy-4-((2-(1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea 457099-98-8P, N-(2-Methoxy-4-((2-((methylsulfonyl)amino)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea 457099-99-9P,  
 N-(3-(Ethyl(methyl)carbamoyl)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 457100-00-4P, N-(2-Methoxy-5-methylphenyl)-N'-(4-pyrimidinyl)urea 457100-01-5P, N-(2-Methoxy-5-methylphenyl)-N'-(1,2,4-triazin-3-yl)urea 457100-02-6P, N-(2-Methoxy-5-methylphenyl)-N'-(6-phenyl-2-pyrazinyl)urea 457100-03-7P, N-(2-Methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea 457100-04-8P, N-(4-((3-(Dimethylamino)propanoyl)amino)-2-methoxyphenyl)-N'-(2-pyrazinyl)urea 458523-51-8P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-[(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

IT 61-54-1, Tryptamine 64-04-0, Phenethylamine 85-41-6, Phthalimide 89-60-1, 1-Chloro-4-methyl-2-nitrobenzene 95-84-1, 2-Amino-4-methylphenol 98-01-1, Furfural, reactions 98-03-3, Thiophene-2-carboxaldehyde 98-09-9, Benzenesulfonyl chloride 98-68-0, 4-Methoxybenzenesulfonyl chloride 98-80-6, Phenylboronic acid 98-97-5, 2-Pyrazinecarboxylic acid 100-39-0, Benzyl bromide 100-46-9, Benzylamine, reactions 100-51-6, Benzyl alcohol, reactions 100-52-7, Benzaldehyde, reactions 100-55-0, 3-Pyridylcarbinol 100-60-7, N-Cyclohexylmethylamine 101-98-4, N-Methyl-N-benzylethanolamine 103-67-3, N-Methylbenzylamine 103-74-2, 2-(2-Pyridyl)ethanol 104-58-5, 3-(Piperidin-1-yl)propan-1-ol 106-52-5, 1-Methylpiperidin-4-ol 108-00-9, 2-Dimethylaminoethylamine 108-01-0, N,N-Dimethylethanolamine 108-30-5, Succinic anhydride, reactions 109-00-2, Pyridin-3-ol 109-55-7, N,N-Dimethyl-1,3-propanediamine 119-33-5, 2-Nitro-4-methylphenol 123-00-2, 3-(Morpholin-4-yl)propylamine 123-11-5, 4-Methoxybenzaldehyde, reactions 134-81-6, Benzil 135-02-4, 2-Methoxybenzaldehyde 142-08-5, Pyridin-2-ol 142-25-6, N,N,N'-Trimethylethane-1,2-diamine 364-74-9, 1,4-Difluoro-2-nitrobenzene 431-03-8, Butanedione 446-36-6, 2-Nitro-5-fluorophenol 454-81-9, 2-Hydroxy-5-trifluoromethylaniline 459-46-1, 4-Fluorobenzyl bromide 498-60-2, Furan-3-carboxaldehyde 498-62-4, Thiophene-3-carboxaldehyde 500-22-1, Pyridine-3-carboxaldehyde 501-53-1, Benzyl chloroformate 586-95-8, 4-Hydroxymethylpyridine 586-98-1, 2-Hydroxymethylpyridine 591-31-1, 3-Methoxybenzaldehyde 622-40-2, 2-(Morpholin-4-yl)ethanol 625-36-5, 3-Chloropropanoyl chloride 626-61-9, 4-Chloropyridine 654-99-9, 3-Fluoro-6-trifluoromethylbenzoic acid 713-52-0, 3-Hydroxy-4-nitrobenzoic acid methyl ester 822-55-9, (3H-Imidazol-4-yl)methanol 879-65-2, Quinoxaline-2-carboxylic acid 1003-03-8, Cyclopentylamine 1072-52-2, 2-(Aziridin-1-yl)ethanol

1118-68-9, N,N-Dimethylglycine 1121-60-4, Pyridine-2-carboxaldehyde  
 1448-87-9, 2-Chloroquinoxaline 1668-10-6, Glycinamide hydrochloride  
 2038-03-1, 2-(Morpholin-4-yl)ethylamine 2038-57-5, Phenpropylamine  
 2486-69-3, 4-Amino-3-methoxybenzoic acid 2629-72-3, 3-(4-Pyridyl)propanol 2706-56-1, 2-(Pyridin-2-yl)ethylamine 2859-67-8, 3-(3-Pyridyl)propanol 2859-68-9, 3-(2-Pyridyl)propanol 2955-88-6, 2-(Pyrrolidin-1-yl)ethanol 3179-63-3, 3-(Dimethylamino)propanol 3222-47-7, 6-Methylnicotinic acid 4441-30-9, 3-(Morpholin-4-yl)propanol 4543-96-8, N,N,N'-Trimethyl-1,3-propanediamine 4572-03-6, 3-(4-Methylpiperazin-1-yl)propylamine 4606-65-9, 3-Hydroxymethylpiperidine 4693-91-8, 2-(4-Methoxyphenyl)acetyl chloride 4727-72-4, 1-Benzylpiperidin-4-ol 5021-33-0, (1-Methylpyrrolidin-3-yl)methanol 5049-61-6, Aminopyrazine 5081-36-7, 3-Methoxy-4-nitrobenzoic acid 5271-67-0, Thiophene-2-carbonyl chloride 5521-55-1, 5-Methylpyrazine-2-carboxylic acid 5805-57-2, C-(1H-Benzimidazol-2-yl)methylamine 5966-51-8, 1,3-Bis(dimethylamino)propan-2-ol 6238-14-8, 1-Azabicyclo[2.2.2]oct-3-ylamine 6291-84-5, N1-Methylpropane-1,3-diamine 6293-56-7, 2-(Pyridin-3-yl)ethanol 6342-21-8, N-(2-Dimethylamino-2-phenylethyl)amine 6480-68-8, Quinoline-3-carboxylic acid 7583-53-1, 3-Hydroxymethyl-1-methylpiperidine 7693-46-1, 4-Nitrophenyl chloroformate 10130-74-2, 3-Methoxybenzenesulfonyl chloride 10400-19-8, Nicotinoyl chloride 13258-63-4, 2-(Pyridin-4-yl)ethylamine 14254-57-0, Isonicotinoyl chloride 14508-49-7, 2-Chloropyrazine 16629-19-9, Thiophene-2-sulfonyl chloride 18471-40-4, 3-Amino-1-benzylpyrrolidine 23501-93-1, (3-Dimethylaminophenyl)methanol 24241-18-7, 2-Amino-3,5-dibromopyrazine 29745-44-6, Pyridine-2-carbonyl chloride 31788-88-2, N-(2-Dimethylamino-1-phenylethyl)amine 33332-28-4, 2-Amino-6-chloropyrazine 33484-67-2, 2-Methoxy-4-nitrophenyl isocyanate 34381-71-0, (2S)-1-Methylpyrrolidin-2-ylmethanol 36724-68-2, N-Trifluoroacetyl-(S)-prolyl chloride 37689-86-4, p-Nitrophenyl carbamate 38170-37-5, 2-N,N,N-Trimethylammonium ethylamine 38557-72-1, 2-Chloro-3,5-dimethylpyrazine 38870-89-2, Methoxyacetyl chloride 39546-32-2, Isonipeptamide 39959-59-6, 4-Iodobenzylamine 42729-56-6, 3-Hydroxy-1-isopropylpyrrolidine 50438-75-0, 2-(4-Dimethylaminophenyl)ethanol 50541-93-0, 4-Amino-1-benzylpiperidine 51387-90-7, [2-(1-Methylpyrrolidin-2-yl)ethyl]amine 51552-16-0, Dimethylaminoacetyl chloride 52260-30-7, 2-(Methylthio)phenyl isocyanate 53485-07-7, N1-Methyl-N1-phenylpropane-1,3-diamine 53912-80-4, (2S)-1-Benzylpyrrolidin-2-ylmethanol 54263-82-0, 3-(Dimethylamino)benzoyl chloride 59741-04-7, 2-Methoxy-5-methylphenyl isocyanate 59741-17-2, 2-Methoxy-5-nitrophenyl isocyanate 62012-15-1, 3-(2-Oxopyrrolidin-1-yl)propanol 66715-65-9, Pyridine-2-sulfonyl chloride 67004-64-2, 2-(1-Methylpyrrolidin-2-yl)ethanol 67215-15-0 68947-43-3, 1-Methylpiperidine-4-carboxylic acid 69816-37-1 69816-38-2, 5-Trifluoromethyl-2-aminopyrazine 80866-88-2, 3-Methoxy-4-nitrobenzyl alcohol 82419-26-9, 2,3-Difluoro-6-nitrophenol 88495-54-9, (S)-(+)-N-Boc-nipecotic acid 100243-39-8, (3S)-3-Hydroxypyrrrolidine 103008-51-1, 2-Trifluoromethoxybenzenesulfonyl chloride 114715-38-7 114715-39-8, (3R)-Amino-1-benzylpyrrolidine 122536-76-9 131852-54-5 144659-13-2, 2-(2-Pyridyl)acetyl chloride 147081-49-0, (R)-N-Boc-3-aminopyrrolidine 163438-09-3 175137-14-1, 1-Phenyl-5-trifluoromethyl-1H-pyrazole-4-carbonyl chloride 175278-22-5, 4-Amino-3-trifluoromethoxybenzoic acid 186589-03-7, 2-(Difluoromethoxy)phenyl isocyanate 256526-96-2, [(3S)-1-[(Pyridin-3-yl)methyl]pyrrolidin-3-yl]amine 457097-55-1, 3-Methoxy-4-((4-nitrophenoxy carbonyl)amino)benzoic acid methyl ester 457097-75-5 457097-78-8, (1R)-[(Pyridin-4-yl)methyl]pyrrolidin-3-ylamine 457097-80-2, [(3R)-1-[(Thiophen-2-yl)methyl]pyrrolidin-3-yl]amine 457097-82-4, (3R)-1-Cyclohexylmethylpyrrolidin-3-ylamine 457097-85-7 457097-88-0, [(3S)-1-[(Pyridin-4-yl)methyl]pyrrolidin-3-yl]amine

457097-89-1, [(3S)-1-[(Thiophen-2-yl)methyl]pyrrolidin-3-yl]amine  
 457097-91-5, [(3S)-1-(Cyclohexylmethyl)pyrrolidin-3-yl]amine  
 457098-06-5, 4-Methoxy-3-((4-nitrophenylcarbonyl)amino)benzoic acid methyl ester 457098-54-3, 5-Methyl-2-(6-methylpyridin-3-ylmethoxy)phenylamine  
 457098-56-5, 5-Methyl-2-(2-(pyridin-2-yl)ethoxy)phenylamine 457098-58-7  
 457098-61-2, 2-[2-(Benzylmethylamino)ethoxy]-5-methylphenylamine  
 457098-63-4, 5-Methyl-2-(1-methylpiperidin-3-ylmethoxy)phenylamine  
 457098-65-6, 2-[2-(4-Dimethylaminophenyl)ethoxy]-5-methylphenylamine  
 457098-67-8, 5-Methyl-2-(3-(pyridin-3-yl)propoxy)phenylamine  
 457098-69-0, 2-(2-Amino-4-methylphenoxy)-N,N,N',N'-tetramethylpropane-1,3-diamine 457098-71-4, 5-Methyl-2-((2S)-1-methylpyrrolidin-2-ylmethoxy)phenylamine 457098-73-6, 5-Methyl-2-((2S)-1-benzylpyrrolidin-2-ylmethoxy)phenylamine 457098-83-8, 5-Methylpyrazine-2-carboxylic acid azide 457098-97-4, 5-Methyl-2-(pyridin-3-ylmethoxy)phenylamine  
 457099-20-6, 2-Amino-4-methylpyrazine 457099-25-1, 2-Amino-3-benzyl-4-(4-methoxyphenyl)pyrazine

RL: RCT (Reactant); RACT (Reactant or reagent)

(reactant; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

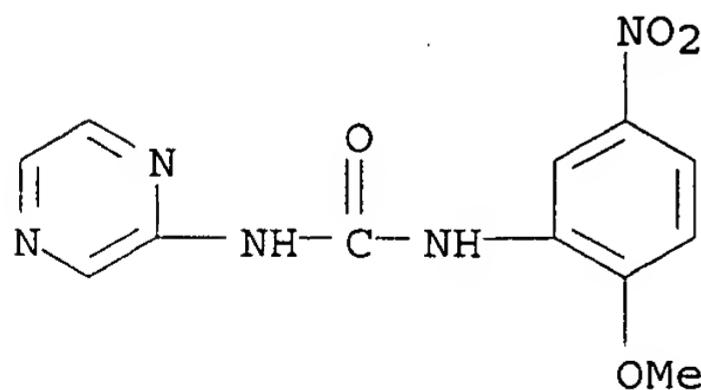
IT 457096-68-3P, 1-(2-Methoxy-5-nitrophenyl)-3-(pyrazin-2-yl)urea  
 457096-69-4P, 1-(5-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea  
 457096-71-8P, (S)-1-(2,2,2-Trifluoroethanoyl)pyrrolidine-2-carboxylic acid [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide  
 457096-74-1P, 1-(2-Methoxy-4-nitrophenyl)-3-(pyrazin-2-yl)urea  
 457096-75-2P, 1-(4-Amino-2-methoxyphenyl)-3-(pyrazin-2-yl)urea  
 457096-78-5P, 3-Chloro-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]propionamide 457097-32-4P, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoic acid 457097-53-9P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid  
 457099-67-1P, 1-(4-Aminomethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(intermediate; prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

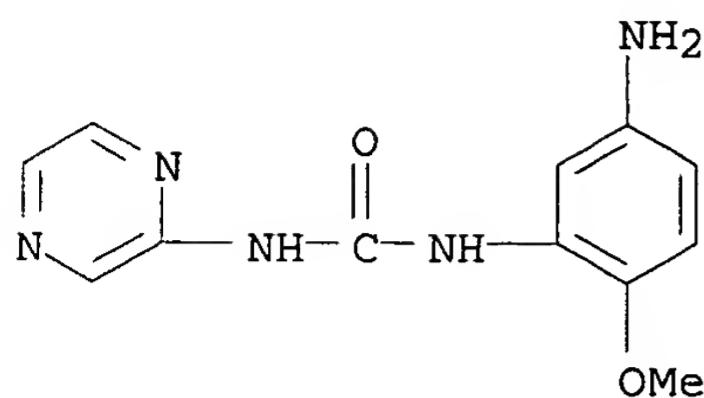
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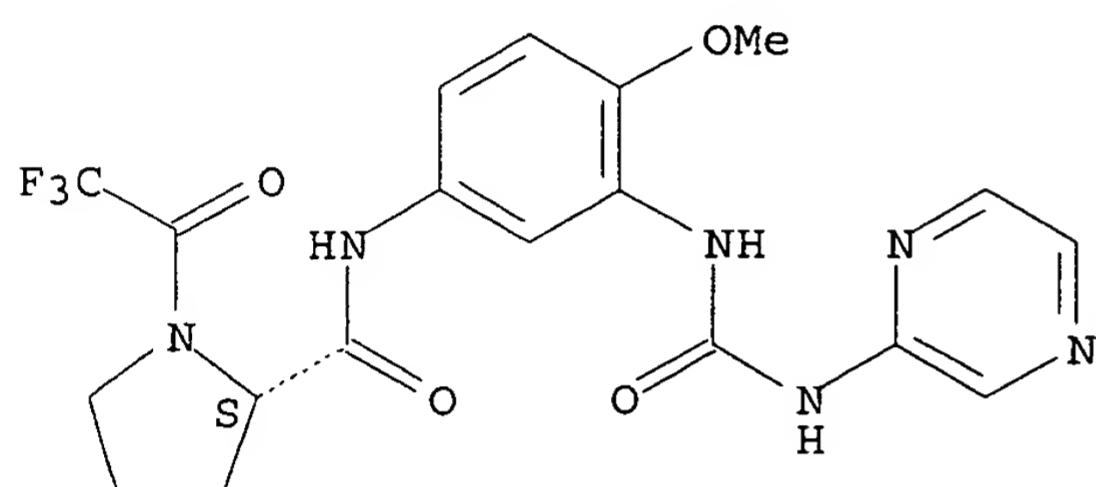
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RN 457096-71-8 HCAPLUS

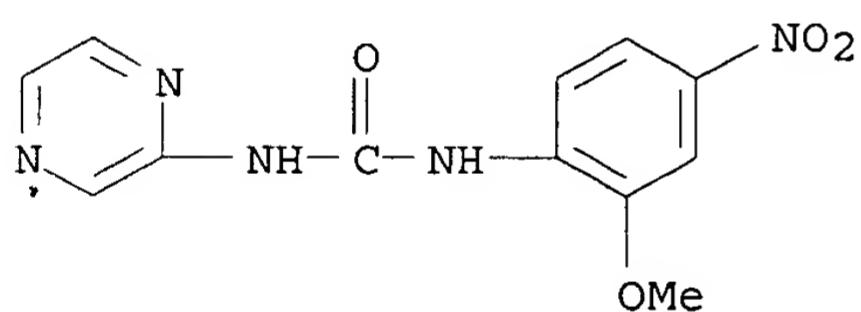
CN 2-Pyrrolidinecarboxamide, N-[4-methoxy-3-[(pyrazinylamino)carbonyl]amino]phenyl]-1-(trifluoroacetyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



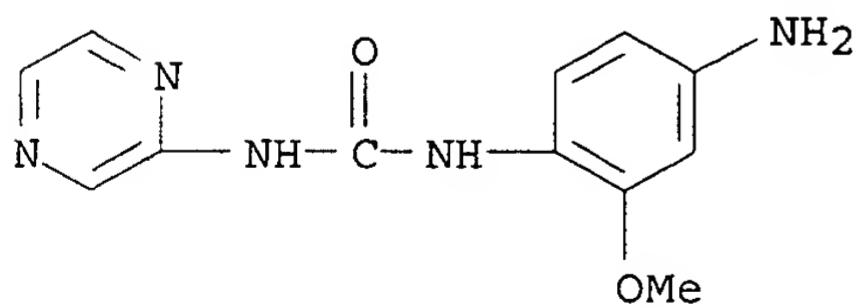
RN 457096-74-1 HCAPLUS

CN Urea, N-(2-methoxy-4-nitrophenyl)-N'-pyrazinyl- (9CI) (CA INDEX NAME)



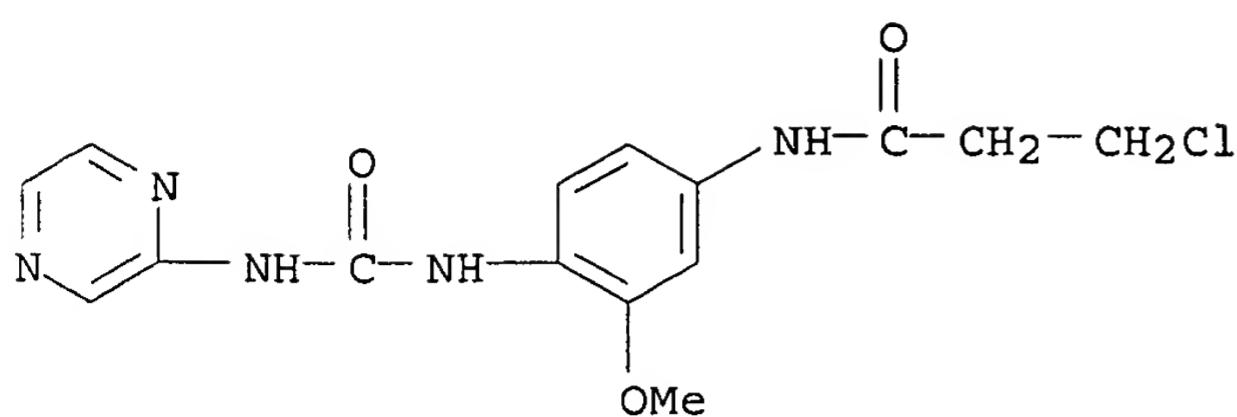
RN 457096-75-2 HCAPLUS

CN Urea, N-(4-amino-2-methoxyphenyl)-N'-pyrazinyl- (9CI) (CA INDEX NAME)

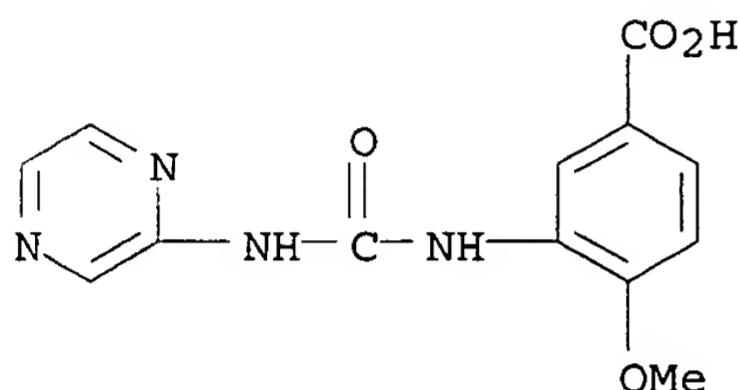


RN 457096-78-5 HCAPLUS

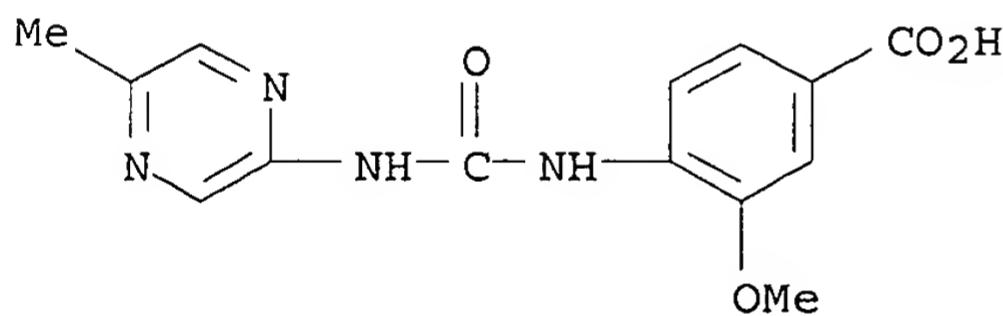
CN Propanamide, 3-chloro-N-[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



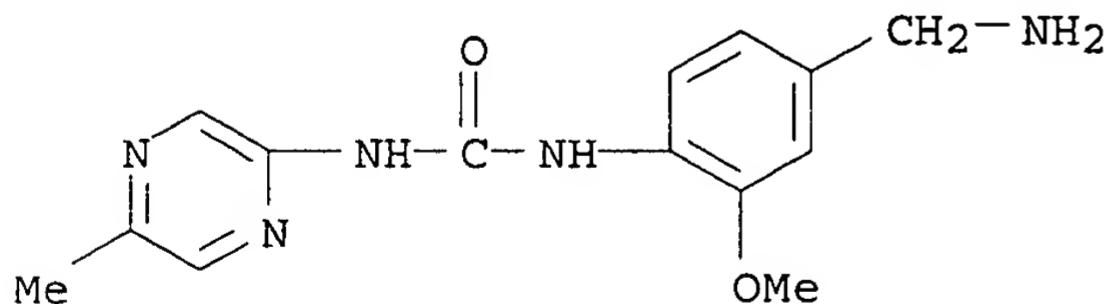
RN 457097-32-4 HCAPLUS  
 CN Benzoic acid, 4-methoxy-3-[(5-pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-53-9 HCAPLUS  
 CN Benzoic acid, 3-methoxy-4-[(5-methylpyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457099-67-1 HCAPLUS  
 CN Urea, N-[4-(aminomethyl)-2-methoxyphenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



IT 457096-84-3P, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoic acid methyl ester 457097-34-6P, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoic acid methyl ester 457097-54-0P, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid methyl ester 457097-95-9P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzoic acid methyl ester 457097-96-0P, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzoic acid 457098-05-4P, 3-Methoxy-4-[3-(5-trifluoromethylpyrazin-2-

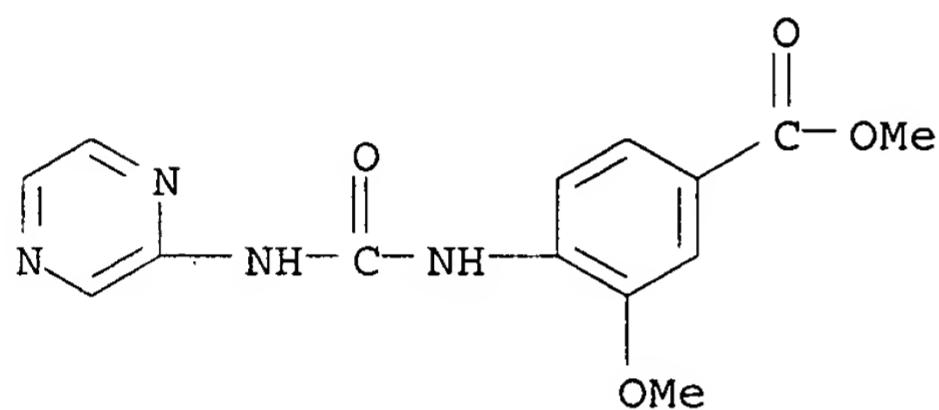
yl)ureido]benzoic acid methyl ester **457098-07-6P**,  
 3-Methoxy-4- [3- (5-trifluoromethylpyrazin-2-yl)ureido]benzoic acid  
**457098-11-2P**, 5-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]-2-  
 trifluoromethylbenzoic acid methyl ester **457098-12-3P**,  
 5-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]-2-trifluoromethylbenzoic acid  
**457098-16-7P**, 3- (3-Dimethylaminopropoxy)-4- [3- (5-methylpyrazin-2-  
 yl)ureido]benzoic acid methyl ester **457098-20-3P**,  
 4- [3- (5-Methylpyrazin-2-yl)ureido]-3- (pyridin-3-ylmethoxy)benzoic acid  
 methyl ester

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; prepn. of aryl and heteroaryl urea selective  
 Chk1 inhibitors for use as radiosensitizers and  
 chemosensitizers for treating diseases and conditions related to DNA  
 damage or lesions in DNA replication)

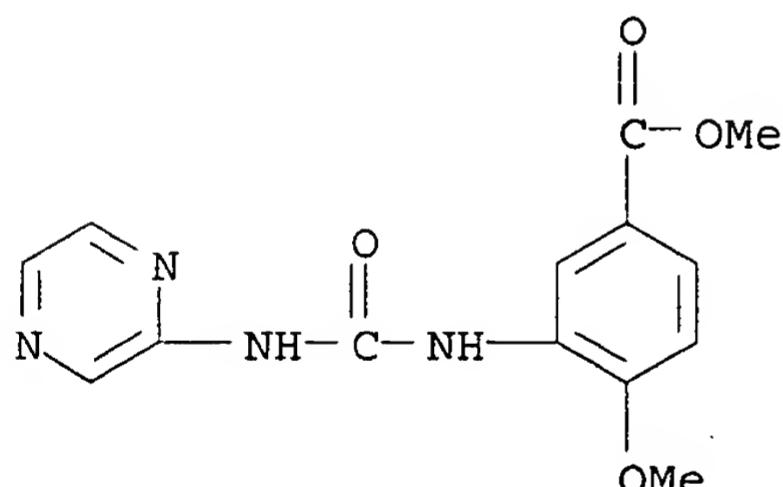
RN 457096-84-3 HCPLUS

CN Benzoic acid, 3-methoxy-4- [ [(pyrazinylamino)carbonyl]amino]-, methyl ester  
 (9CI) (CA INDEX NAME)



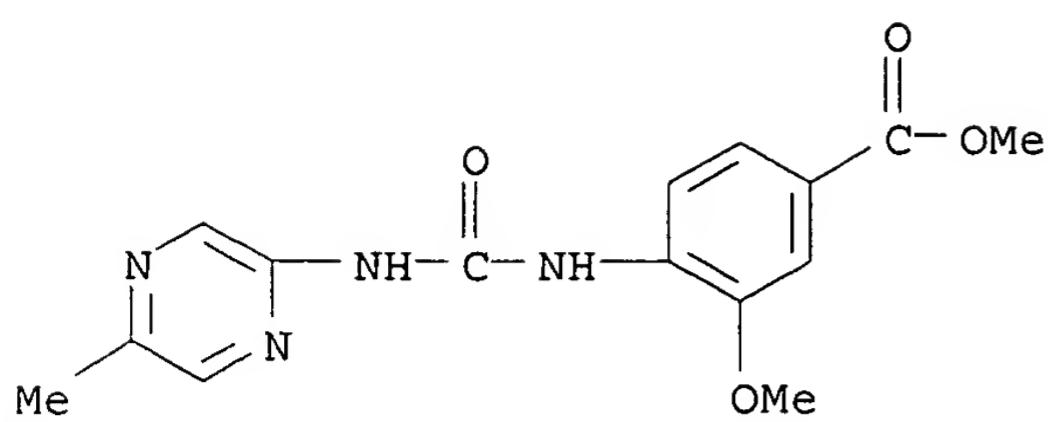
RN 457097-34-6 HCPLUS

CN Benzoic acid, 4-methoxy-3- [ [(pyrazinylamino)carbonyl]amino]-, methyl ester  
 (9CI) (CA INDEX NAME)

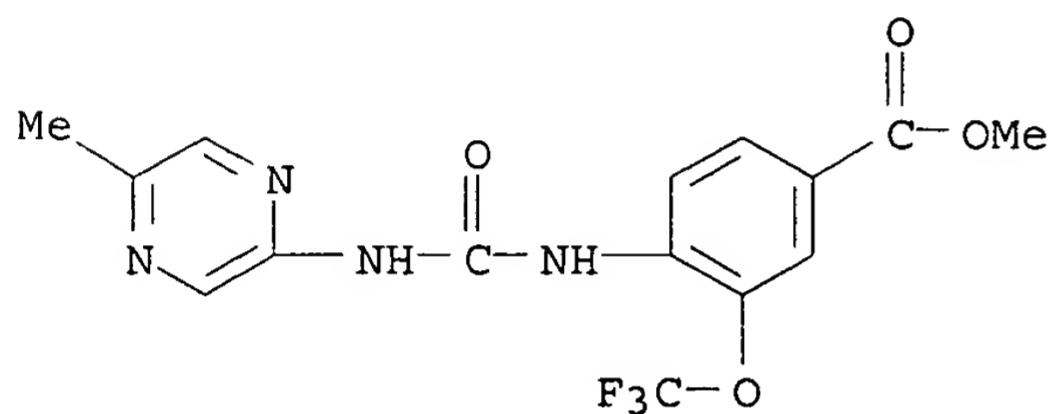


RN 457097-54-0 HCPLUS

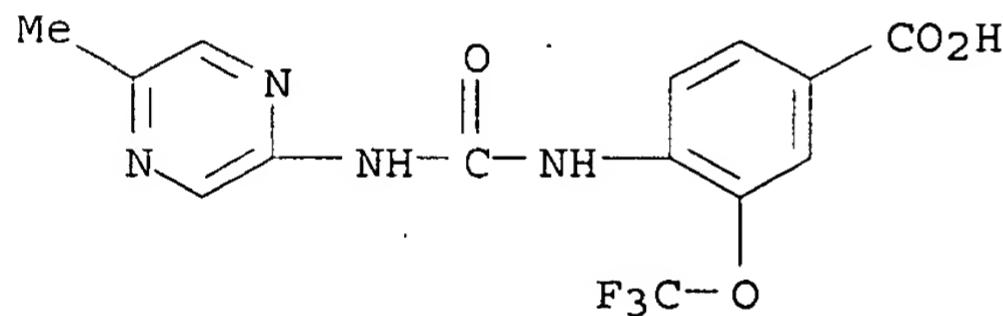
CN Benzoic acid, 3-methoxy-4- [ [ [(5-methylpyrazinyl)amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



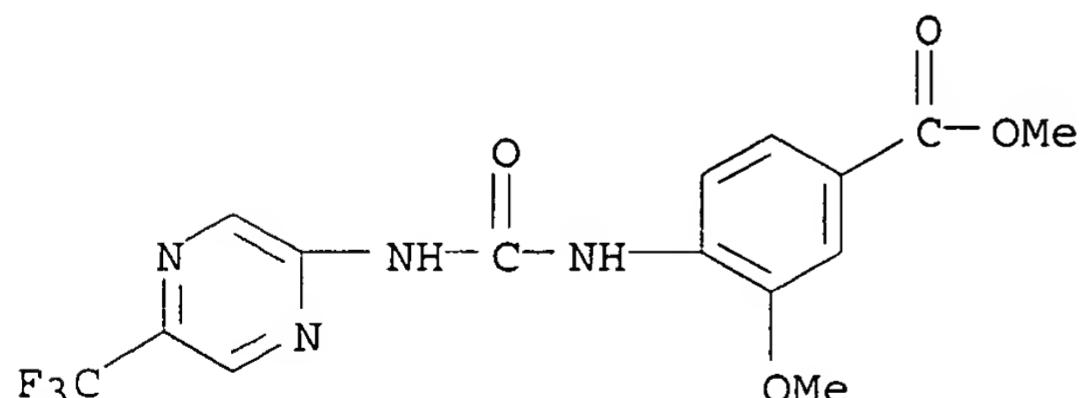
RN 457097-95-9 HCAPLUS  
 CN Benzoic acid, 4-[[[5-(methylpyrazinyl)amino]carbonyl]amino]-3-(trifluoromethoxy)-, methyl ester (9CI) (CA INDEX NAME)



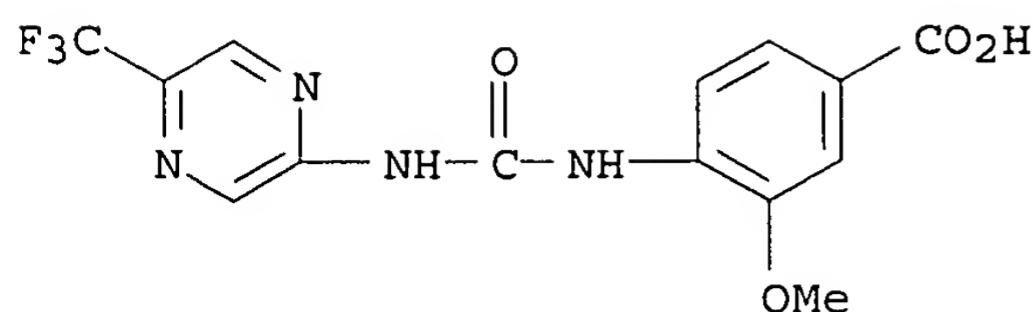
RN 457097-96-0 HCAPLUS  
 CN Benzoic acid, 4-[[[5-(methylpyrazinyl)amino]carbonyl]amino]-3-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



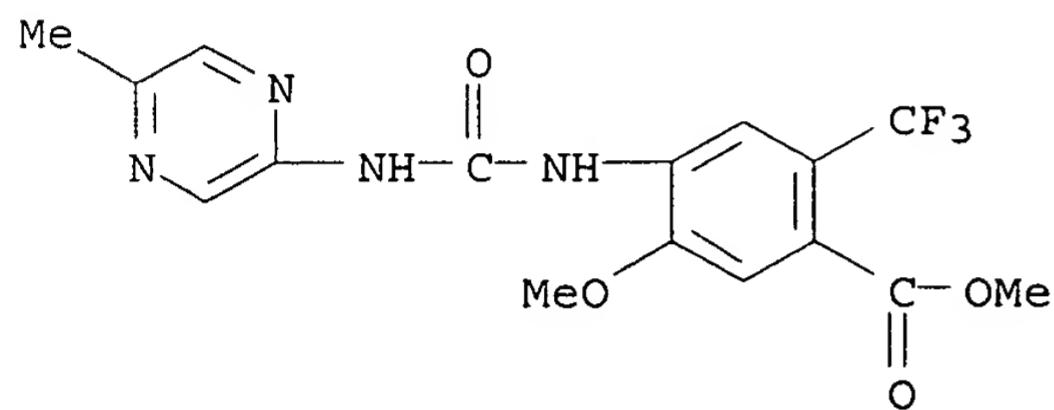
RN 457098-05-4 HCAPLUS  
 CN Benzoic acid, 3-methoxy-4-[[[5-(trifluoromethyl)pyrazinyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



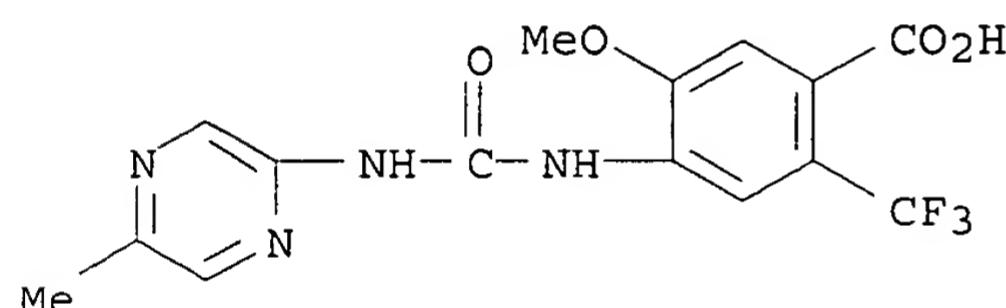
RN 457098-07-6 HCAPLUS  
 CN Benzoic acid, 3-methoxy-4-[[[5-(trifluoromethyl)pyrazinyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



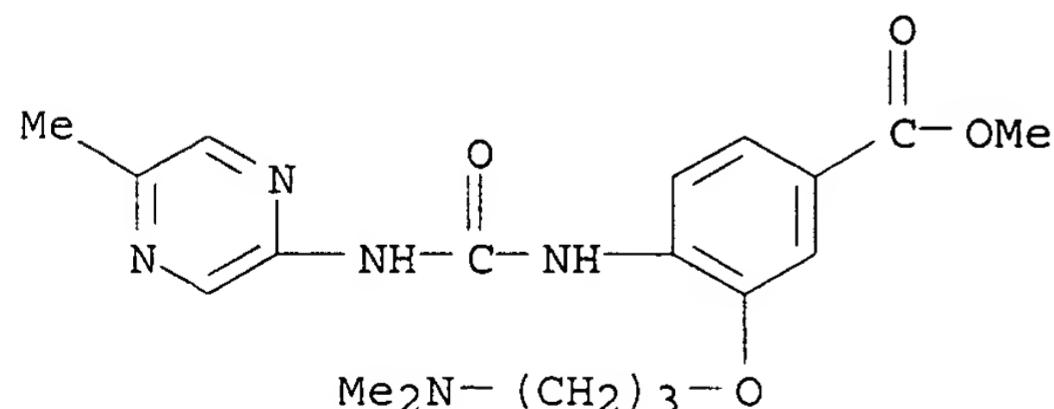
RN 457098-11-2 HCPLUS  
 CN Benzoic acid, 5-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-2-(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)



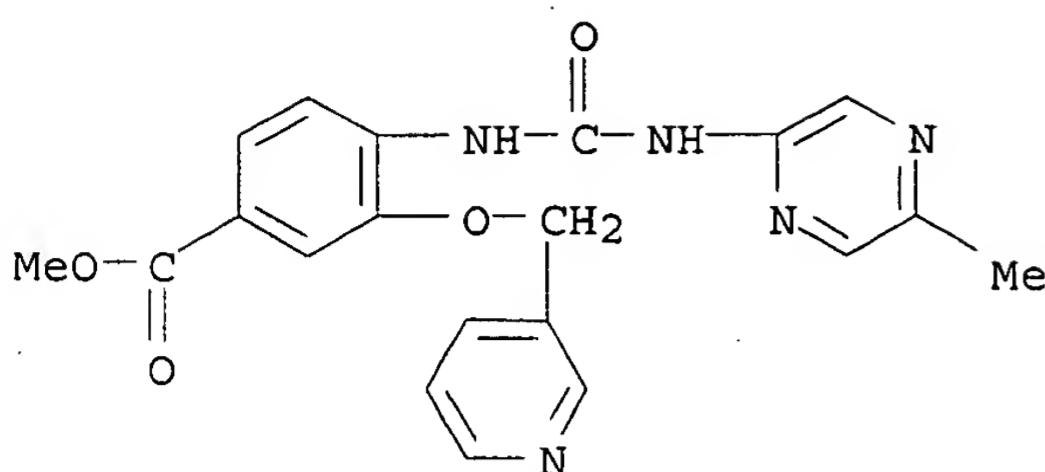
RN 457098-12-3 HCPLUS  
 CN Benzoic acid, 5-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-2-(trifluoromethyl)-, (9CI) (CA INDEX NAME)



RN 457098-16-7 HCPLUS  
 CN Benzoic acid, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 457098-20-3 HCPLUS  
 CN Benzoic acid, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)-, methyl ester (9CI) (CA INDEX NAME)



IT 196868-94-7P, N-(4-Chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea  
**457096-65-0P**, 1-[2-(1,1-Difluoromethoxy)phenyl]-3-(pyrazin-2-yl)urea **457096-67-2P**, 1-(2-Methylsulfanylphenyl)-3-(pyrazin-2-yl)urea **457096-70-7P**, N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]succinamic acid **457096-72-9P**,  
(S)-Pyrrolidine-2-carboxylic acid [4-methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]amide **457096-73-0P**, N-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)phenyl]methanesulfonamide **457096-77-4P**,  
C-Dimethylamino-N-[3-methoxy-4-(3-(pyrazin-2-yl)ureido)phenyl]acetamide trifluoroacetate **457096-82-1P**, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoic acid **457096-85-4P**, N-Butyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-86-5P**,  
1-[4-[(Benzylmethylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea **457096-87-6P**, N-Benzyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-89-8P**, 3-Methoxy-N-phenethyl-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-90-1P**,  
3-Methoxy-N-(3-phenylpropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-92-3P**, N-(2-(Benzenesulfonyl)ethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-95-6P**, N-(4-Iodobenzyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-01-7P**,  
N-(1H-Benzimidazol-2-ylmethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-04-0P** **457097-05-1P**,  
3-Methoxy-N-[3-(methylphenylamino)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-16-4P**, N-(2-Dimethylaminoethyl)-3-methoxy-N-methyl-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-18-6P**,  
, 3-Methoxy-N-(3-methylaminopropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-21-1P**, N-(3-Dimethylaminopropyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-23-3P**, N-(3-Dimethylaminopropyl)-3-methoxy-N-methyl-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-25-5P**,  
, 3-Methoxy-N-(3-(morpholin-4-yl)propyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-27-7P**, 3-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-29-9P**, [2-[3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoylamino]ethyl]trimethylammonium chloride **457097-35-7P**, N-Butyl-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-36-8P**, N-Benzyl-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-37-9P**,  
4-Methoxy-N-phenethyl-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-38-0P**, 4-Methoxy-N-(3-phenylpropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-39-1P**, N-(2-(Benzenesulfonyl)ethyl)-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-42-6P**,  
N-(1H-Benzimidazol-2-ylmethyl)-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-43-7P**, N-[2-(1H-Indol-3-yl)ethyl]-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-44-8P**,  
4-Methoxy-N-[3-(methylphenylamino)propyl]-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-46-0P**, N-(2-Dimethylaminoethyl)-4-methoxy-N-methyl-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-47-1P**,  
, 4-Methoxy-N-(3-methylaminopropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide

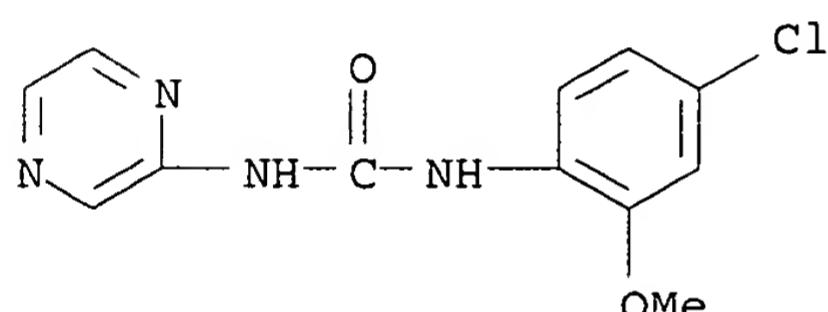
**457097-48-2P**, N-(3-Dimethylaminopropyl)-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-49-3P**, N-(3-Dimethylaminopropyl)-4-methoxy-N-methyl-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-50-6P**, 4-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-51-7P**, [2-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoylamino]ethyl]trimethylammonium chloride **457097-52-8P**, 4-Methoxy-N-(3-(morpholin-4-yl)propyl)-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-59-5P**, N-(1-Benzylpiperidin-4-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-61-9P**, N-(3-Dimethylaminopropyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-63-1P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(3-(morpholin-4-yl)propyl)benzamide **457097-65-3P**, N-(2-(Dimethylamino)-2-phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-68-6P**, N-(2-(Dimethylamino)-1-phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-70-0P**, N-(1-Azabicyclo[2.2.2]oct-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-71-1P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-(pyridin-2-yl)methylpyrrolidin-3-yl)benzamide **457097-74-4P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-methylpyrrolidin-3-yl)benzamide **457097-77-7P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide **457097-79-9P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide **457097-81-3P**, N-((3R)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-84-6P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-2-yl)methyl]pyrrolidin-3-yl)benzamide **457097-86-8P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-3-yl)methyl]pyrrolidin-3-yl)benzamide **457097-87-9P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide **457097-90-4P**, N-((3S)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-97-1P**, N-(1-Benzylpiperidin-4-ylmethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-01-0P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid (3S)-1-benzylpyrrolidin-3-yl ester **457098-08-7P**, 5-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)-2-trifluoromethylbenzamide **457098-13-4P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzoic acid **457098-17-8P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzoic acid **457098-21-4P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-n-methylpyrazin-2-yl)ureido]benzamide **457098-22-5P**, 3-(3-Dimethylaminopropoxy)-N,N-dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-23-6P**, N-Benzyl-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-24-7P**, N-Benzyl-3-(3-dimethylaminopropoxy)-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-25-8P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)benzamide **457098-26-9P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]benzamide **457098-27-0P**, N-(2-Dimethylaminoethyl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-29-2P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-30-5P**, N-Methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-31-6P**, N-Dimethyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-32-7P**, N-Benzyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-33-8P**, N-Benzyl-N-methyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-

ylmethoxy)benzamide **457098-34-9P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)-3-(pyridin-3-ylmethoxy)benzamide **457098-35-0P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]-3-(pyridin-3-ylmethoxy)benzamide **457098-36-1P**, N-(2-Dimethylaminoethyl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-52-1P**, 1-(5-Methylpyrazin-2-yl)-3-[2-(pyridin-3-ylmethoxy)-5-trifluoromethylphenyl]urea **457099-04-6P**, 1-[5-Fluoro-2-(pyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-05-7P**, 1-[5-Fluoro-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-06-8P**, 1-[5-Fluoro-2-(1-methylpiperidin-4-yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-07-9P**, 1-[4-Fluoro-2-(pyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-08-0P**, 1-[4-Fluoro-2-(1-methylpiperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-09-1P**, 1-[4-Fluoro-2-(1-methylpiperidin-4-yloxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-10-4P**, 1-[3,4-Difluoro-2-(pyridin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-53-5P**, 1-(2-Methoxy-4-methoxymethylphenyl)-3-(5-methylpyrazin-2-yl)urea **457099-54-6P**, 1-(4-Benzylloxymethyl-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea **457099-57-9P**, 1-[4-[(Benzylamino)methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-60-4P**, 1-(2-Methoxy-4-[(methylamino)methyl]phenyl)-3-(5-methylpyrazin-2-yl)urea **457099-65-9P**, 1-(4-((Dimethylamino)methyl)-2-methoxyphenyl)-3-(5-methylpyrazin-2-yl)urea **457099-68-2P**, 1-[2-Methoxy-4-[(thiophen-2-ylmethyl)amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-69-3P**, 1-[2-Methoxy-4-[(thiophen-3-ylmethyl)amino]methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-70-6P**, 1-[4-[(Furan-2-ylmethyl)amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-71-7P**, 1-[4-[(Furan-3-ylmethyl)amino]methyl]-2-methoxyphenyl]-3-(5-methylpyrazin-2-yl)urea **457099-72-8P**, 1-[2-Methoxy-4-[(2-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-73-9P**, 1-[2-Methoxy-4-[(3-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-74-0P**, 1-[2-Methoxy-4-[(4-methoxybenzylamino)methyl]phenyl]-3-(5-methylpyrazin-2-yl)urea **457099-75-1P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide **457099-76-2P**, 2-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide **457099-77-3P**, 2-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]acetamide **457099-78-4P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(pyridin-2-yl)acetamide **457099-79-5P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-(4-methoxyphenyl)acetamide **457099-80-8P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzamide **457099-81-9P**, Pyridine-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide **457099-82-0P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]nicotinamide **457099-83-1P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]isonicotinamide **457099-84-2P**, Thiophene-2-carboxylic acid 3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzylamide **457099-85-3P**, 3-(Dimethylamino)-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzamide **457099-86-4P** **457099-87-5P** **457099-88-6P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide **457099-89-7P**, N-[3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]-2-trifluoromethoxybenzenesulfonamide **457099-90-0P**, 3-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzyl]benzenesulfonamide **457099-91-1P**, 4-Methoxy-N-[3-methoxy-4-[3-(5-methylpyrazin-2-

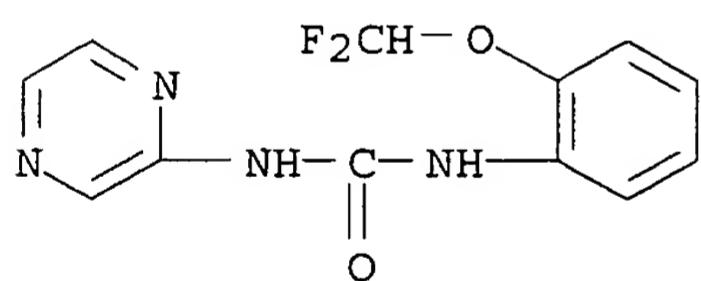
yl)ureido]benzyl]benzenesulfonamide **457099-92-2P**,  
 Pyridine-2-sulfonic acid 3-methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]benzylamide **457099-93-3P**, N- (2-Methoxy-3- ((2- (4-morpholinyl)ethyl)carbamoyl)phenyl)-N' - (2-pyrazinyl)urea **457099-94-4P**, N- (2-Methoxy-3- ((2- (1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N' - (2-pyrazinyl)urea **457099-95-5P**, N- ((2-Chloroethyl)carbamoyl)-2-methoxyphenyl)-N' - (2-pyrazinyl)urea **457099-96-6P**, N- (2-Methoxy-4- ((2- (4-morpholinyl)ethyl)carbamoyl)phenyl)-N' - (2-pyrazinyl)urea **457099-97-7P**, N- (2-Methoxy-4- ((2- (1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N' - (2-pyrazinyl)urea **457099-98-8P**, N- (2-Methoxy-4- ((2- ((methylsulfonyl)amino)ethyl)carbamoyl)phenyl)-N' - (2-pyrazinyl)urea **457099-99-9P**, N- (3- (Ethyl (methyl)carbamoyl)-2-methoxyphenyl)-N' - (2-pyrazinyl)urea **457100-00-4P**, N- (2-Methoxy-5-methylphenyl)-N' - (4-pyrimidinyl)urea **458523-51-8P**, 3-Methoxy-4- [3- (5-methylpyrazin-2-yl)ureido]-N- ((3R)-1- [(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors  
 for use as radiosensitizers and chemosensitizers for treating diseases  
 and conditions related to DNA damage or lesions in DNA replication)

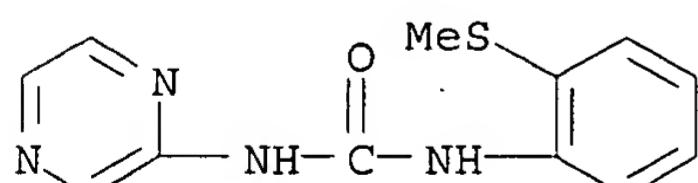
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 CN Urea, N- (4-chloro-2-methoxyphenyl)-N' -pyrazinyl- (9CI) (CA INDEX NAME)



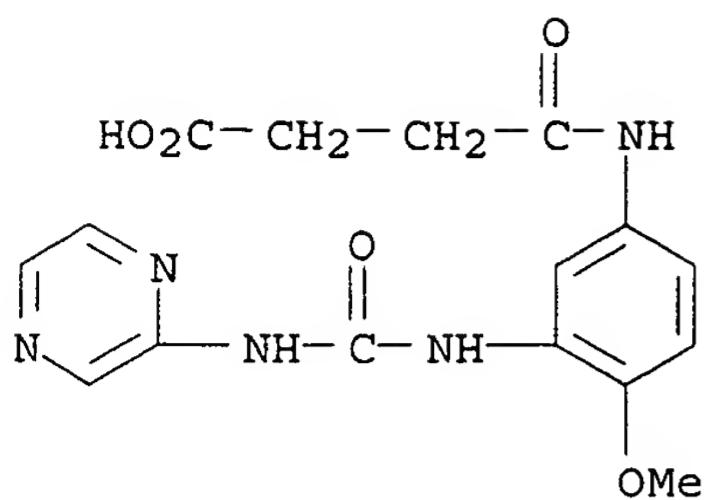
RN 457096-65-0 HCPLUS  
 CN Urea, N- [2- (difluoromethoxy)phenyl]-N' -pyrazinyl- (9CI) (CA INDEX NAME)



RN 457096-67-2 HCPLUS  
 CN Urea, N- [2- (methylthio)phenyl]-N' -pyrazinyl- (9CI) (CA INDEX NAME)



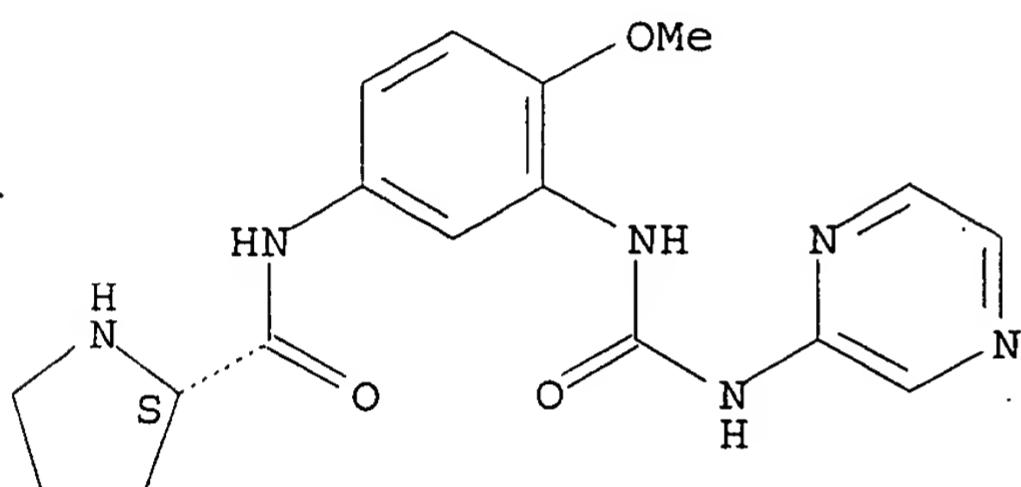
RN 457096-70-7 HCPLUS  
 CN Butanoic acid, 4- [[4-methoxy-3- [(pyrazinylamino)carbonyl]amino]phenyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



RN 457096-72-9 HCAPLUS

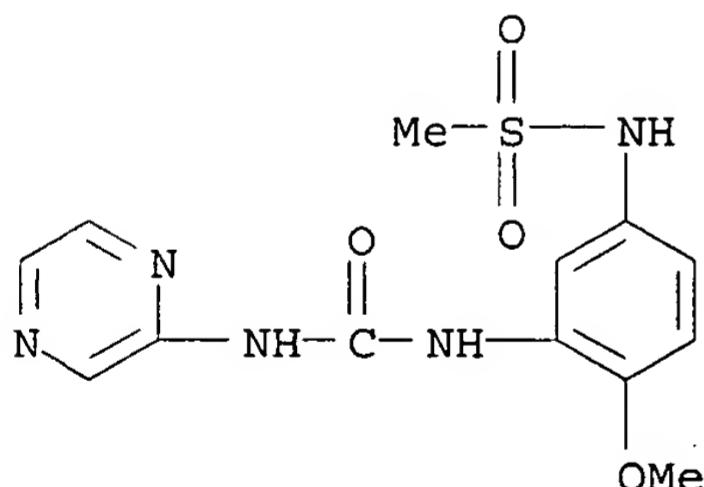
CN 2-Pyrrolidinecarboxamide, N-[4-methoxy-3-[(pyrazinylamino)carbonyl]amino]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.



RN 457096-73-0 HCAPLUS

CN Methanesulfonamide, N- [4-methoxy-3- [ [ (pyrazinylamino) carbonyl] amino] phenyl ] - (9CI) (CA INDEX NAME)



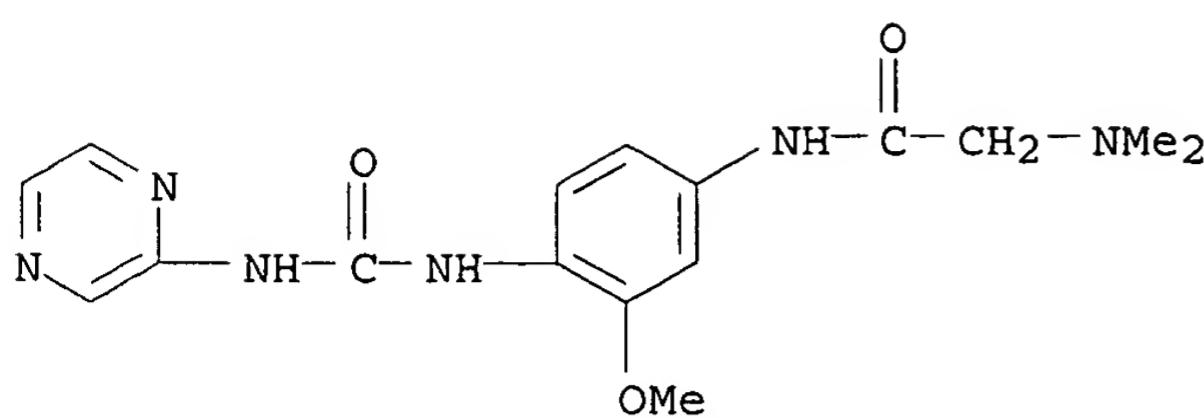
RN 457096-77-4 HCAPLUS

CN Acetamide, 2-(dimethylamino)-N-[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]phenyl-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 457096-76-3

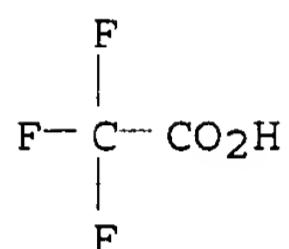
CMF C16 H20 N6 O3



CM 2

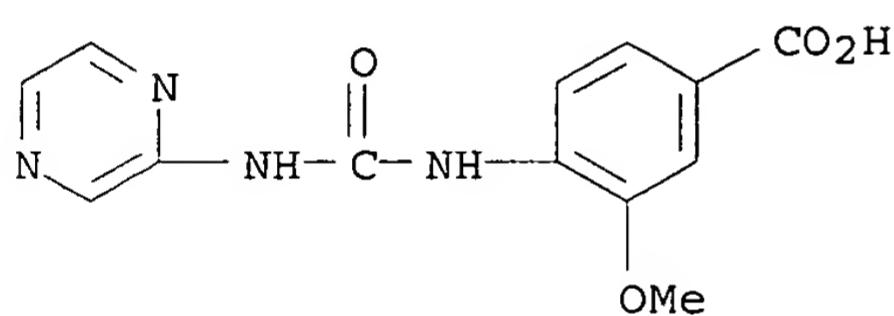
CRN 76-05-1

CMF C2 H F3 O2



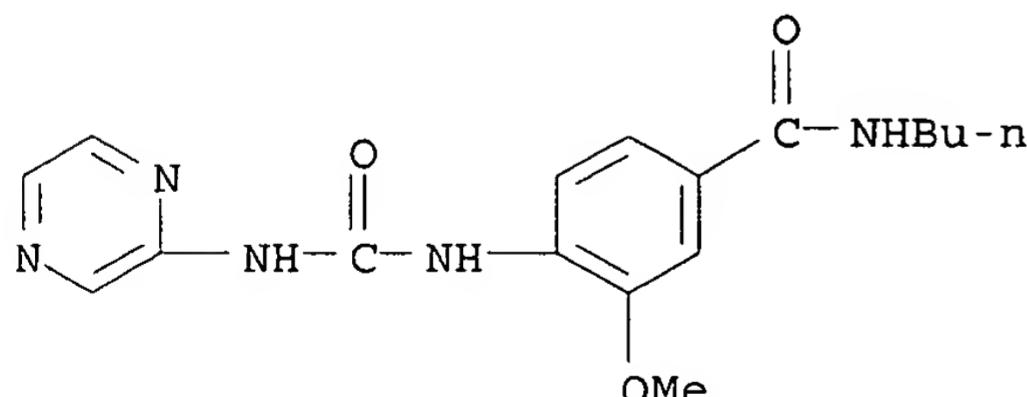
RN 457096-82-1 HCAPLUS

CN Benzoic acid, 3-methoxy-4-[(2-methylpyrazinyl)carbonyl]amino- (9CI) (CA INDEX NAME)



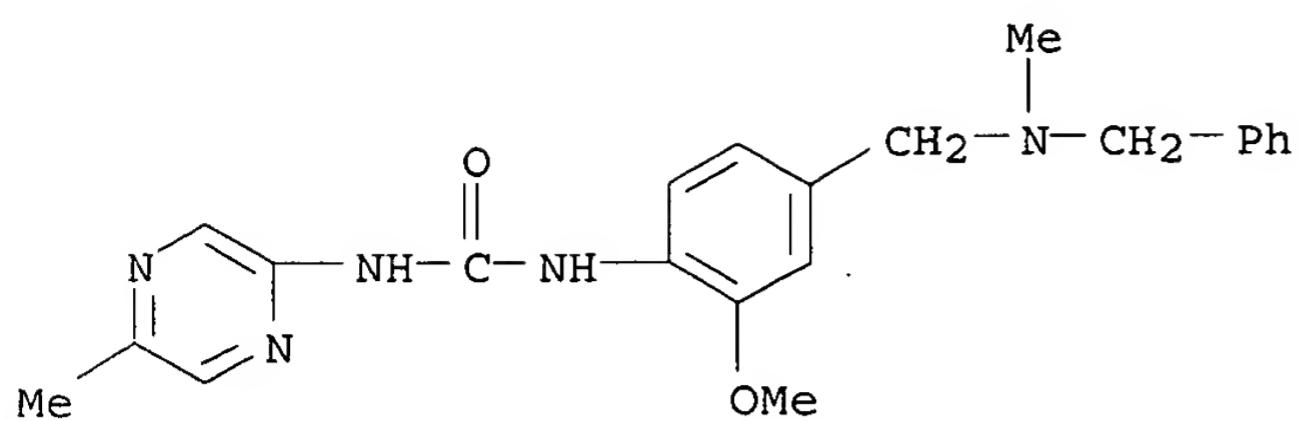
RN 457096-85-4 HCAPLUS

CN Benzamide, N-butyl-3-methoxy-4-[(2-methylpyrazinyl)carbonyl]amino- (9CI) (CA INDEX NAME)

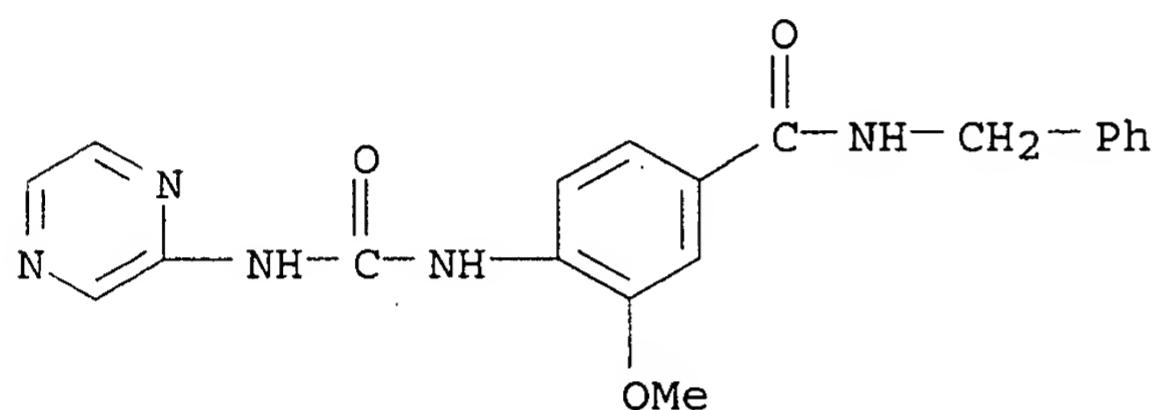


RN 457096-86-5 HCAPLUS

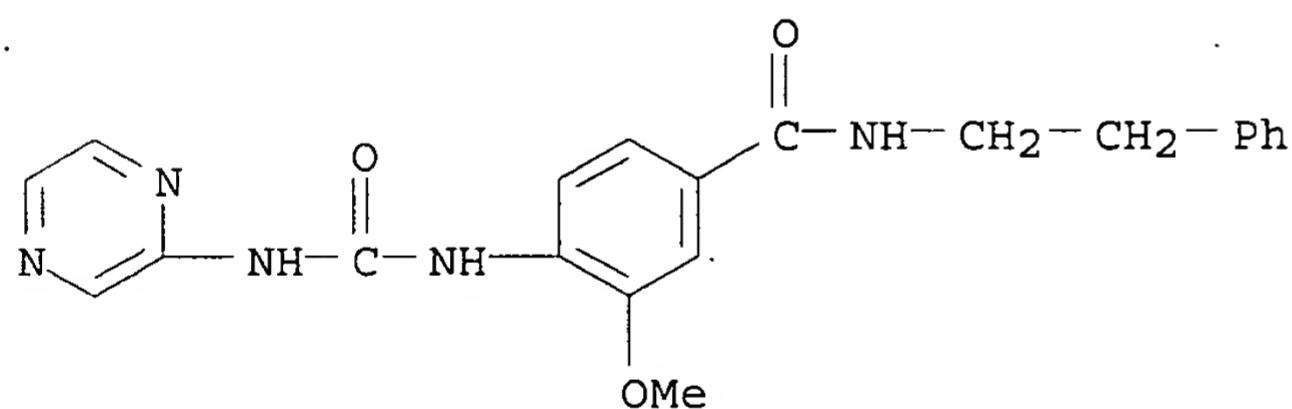
CN Urea, N-[2-methoxy-4-[(2-methylpyrazinyl)carbonyl]amino]methylphenyl-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



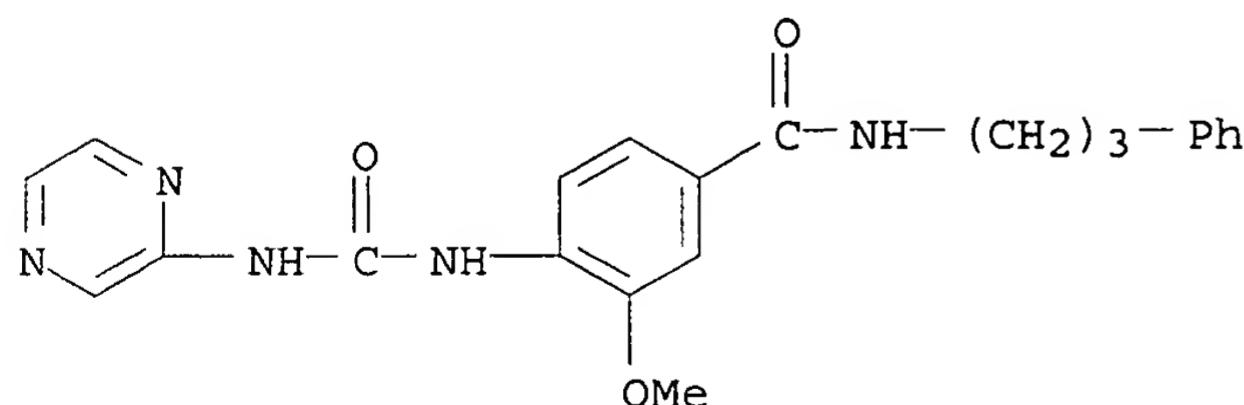
RN 457096-87-6 HCPLUS  
 CN Benzamide, 3-methoxy-N-(phenylmethyl)-4-[(pyrazinylamino)carbonyl]amino]-  
 (9CI) (CA INDEX NAME)



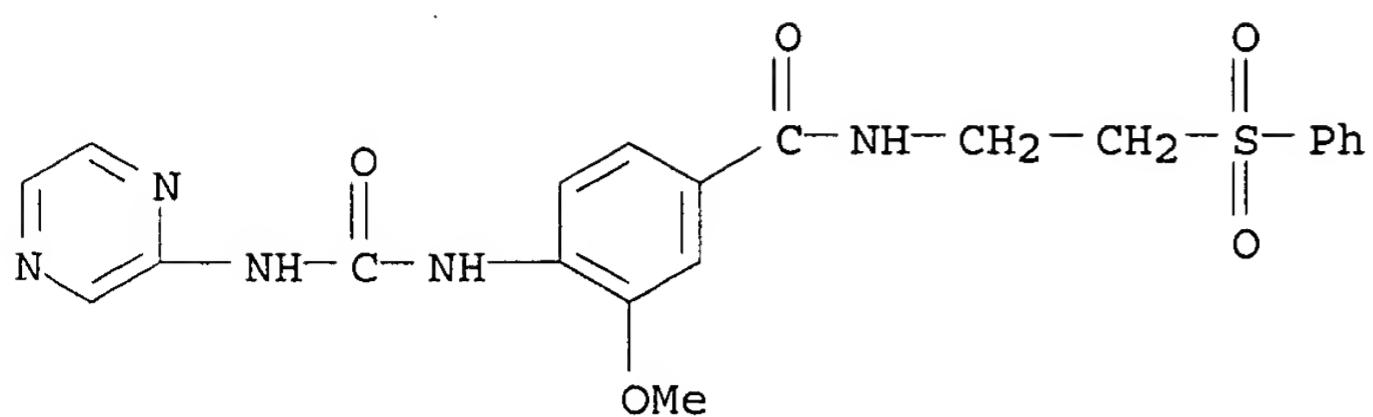
RN 457096-89-8 HCPLUS  
 CN Benzamide, 3-methoxy-N-(2-phenylethyl)-4-[(pyrazinylamino)carbonyl]amino]-  
 (9CI) (CA INDEX NAME)



RN 457096-90-1 HCPLUS  
 CN Benzamide, 3-methoxy-N-(3-phenylpropyl)-4-[(pyrazinylamino)carbonyl]amino]-  
 (9CI) (CA INDEX NAME)

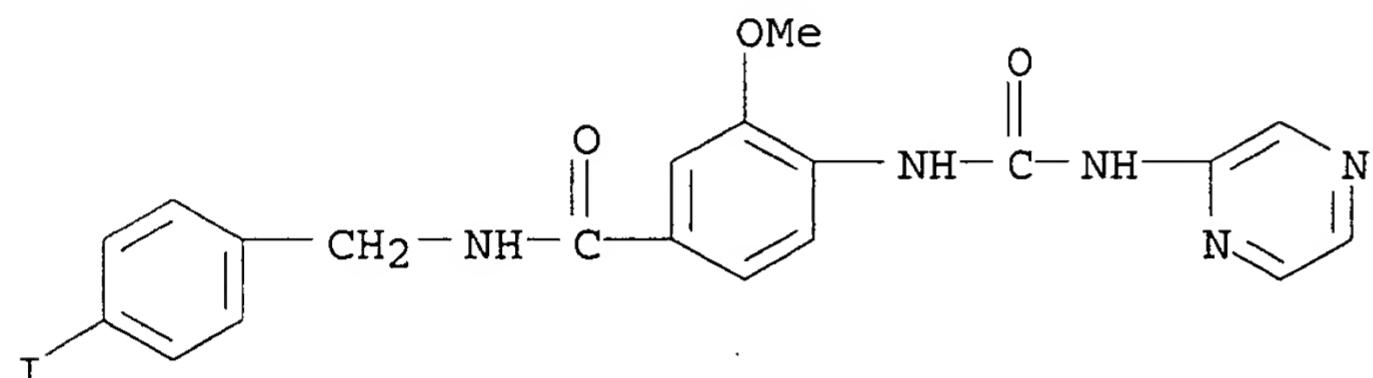


RN 457096-92-3 HCPLUS  
 CN Benzamide, 3-methoxy-N-[2-(phenylsulfonyl)ethyl]-4-[(pyrazinylamino)carbonyl]amino]-  
 (9CI) (CA INDEX NAME)



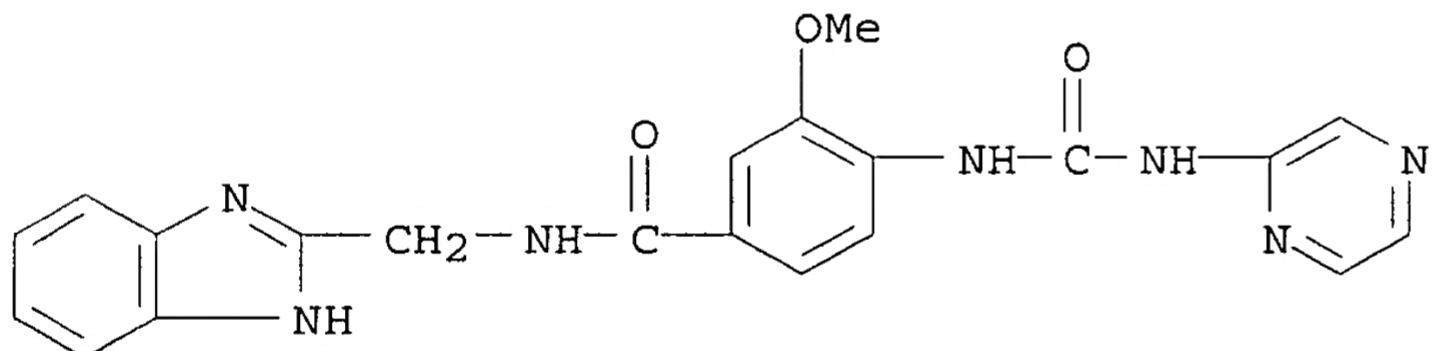
RN 457096-95-6 HCPLUS

CN Benzamide, N-[(4-iodophenyl)methyl]-3-methoxy-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



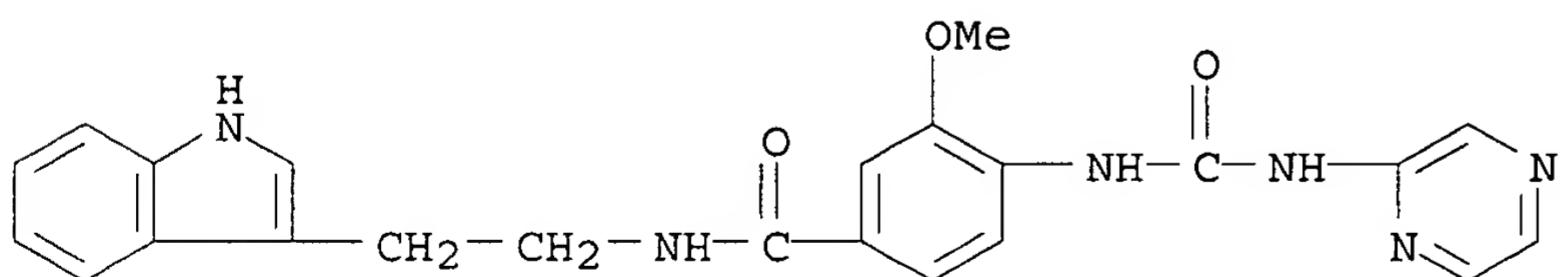
RN 457097-01-7 HCPLUS

CN Benzamide, N-[(1H-benzimidazol-2-ylmethyl)-3-methoxy-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



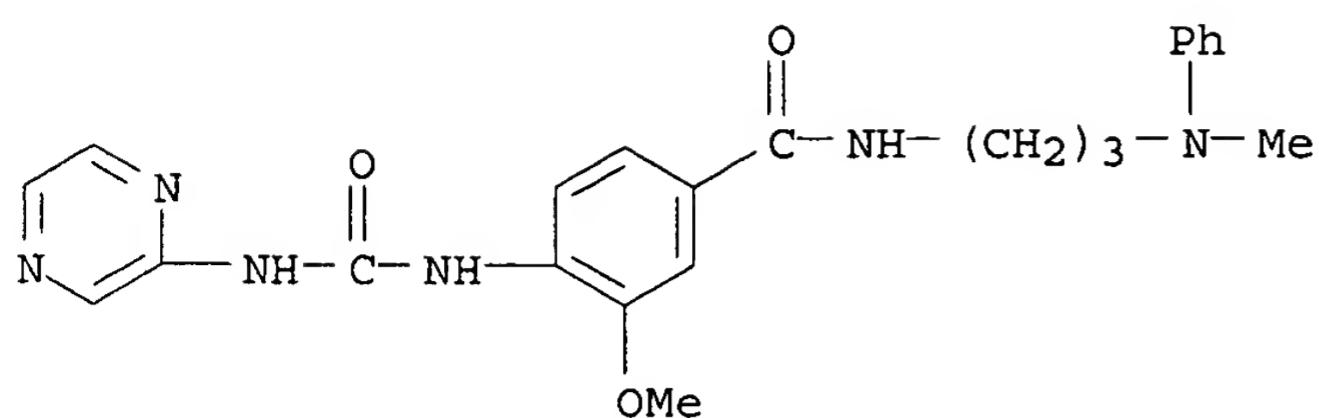
RN 457097-04-0 HCPLUS

CN Benzamide, N-[(2-(1H-indol-3-yl)ethyl)-3-methoxy-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

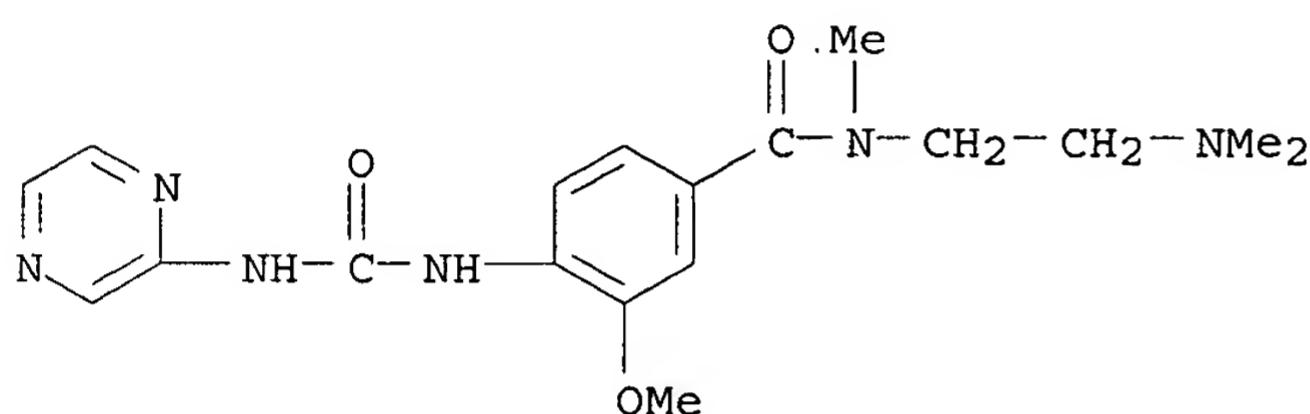


RN 457097-05-1 HCPLUS

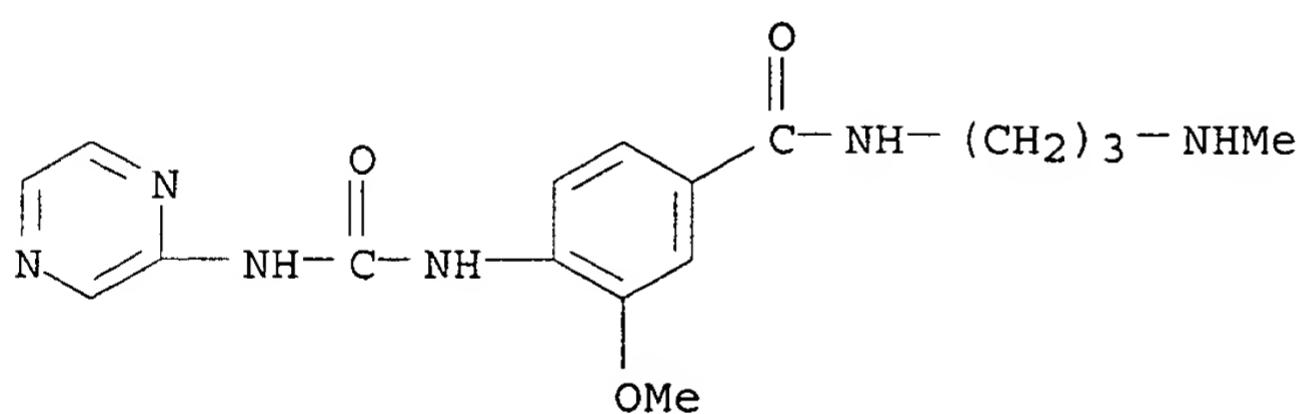
CN Benzamide, 3-methoxy-N-[(3-(methylphenylamino)propyl)-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



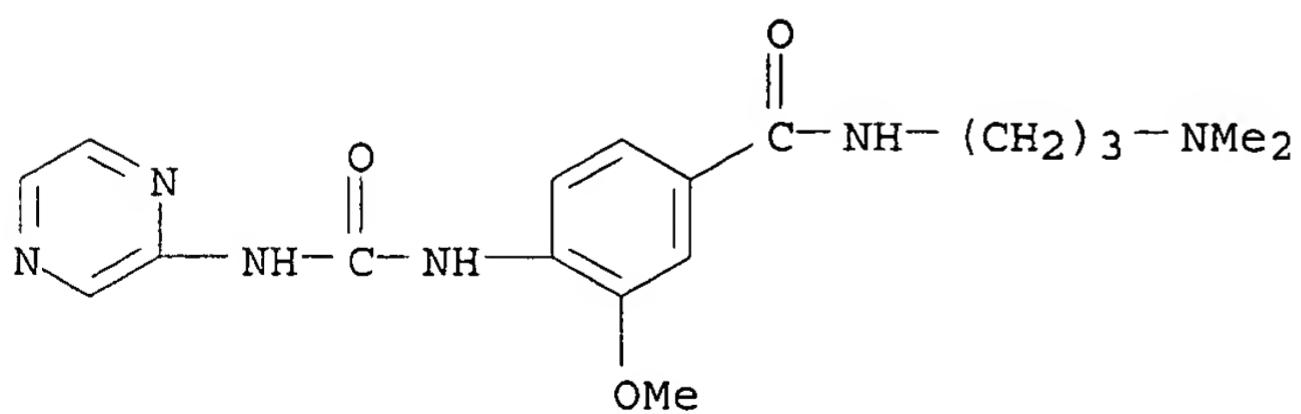
RN 457097-16-4 HCPLUS  
 CN Benzamide, N-[2-(dimethylamino)ethyl]-3-methoxy-N-methyl-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



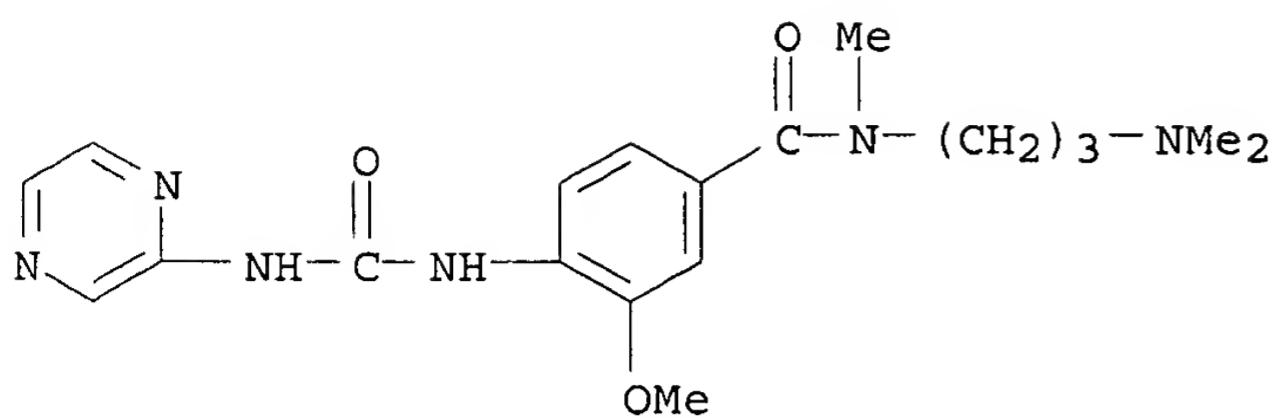
RN 457097-18-6 HCPLUS  
 CN Benzamide, 3-methoxy-N-[3-(methylamino)propyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-21-1 HCPLUS  
 CN Benzamide, N-[3-(dimethylamino)propyl]-3-methoxy-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

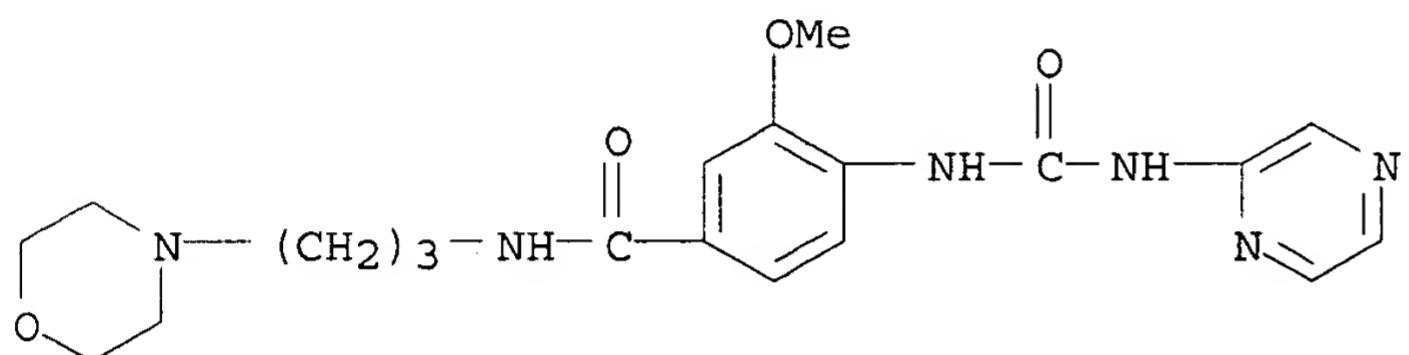


RN 457097-23-3 HCPLUS  
 CN Benzamide, N-[3-(dimethylamino)propyl]-3-methoxy-N-methyl-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



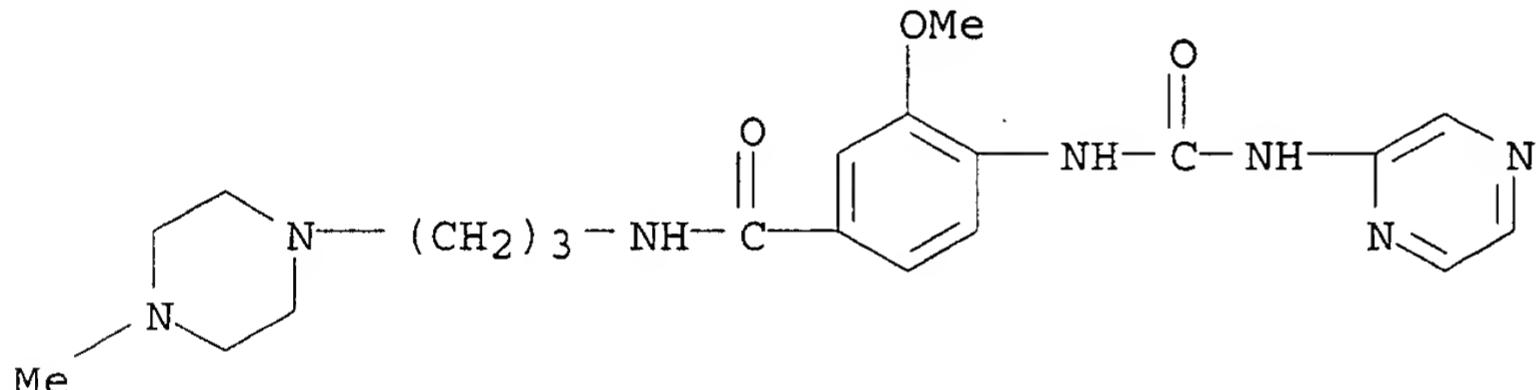
RN 457097-25-5 HCAPLUS

CN Benzamide, 3-methoxy-N-[3-[(4-morpholinyl)propyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



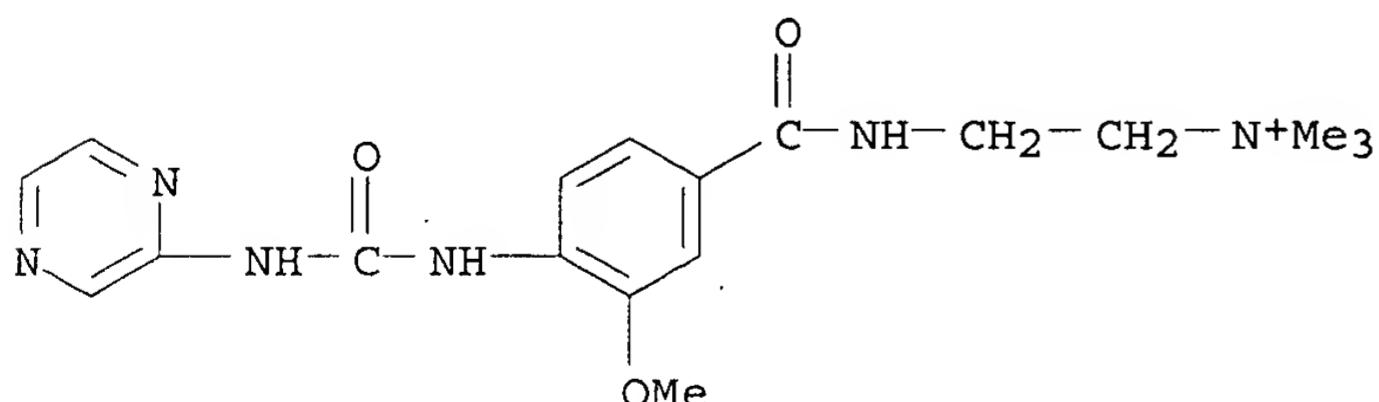
RN 457097-27-7 HCAPLUS

CN Benzamide, 3-methoxy-N-[3-[(4-methyl-1-piperazinyl)propyl]-4-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



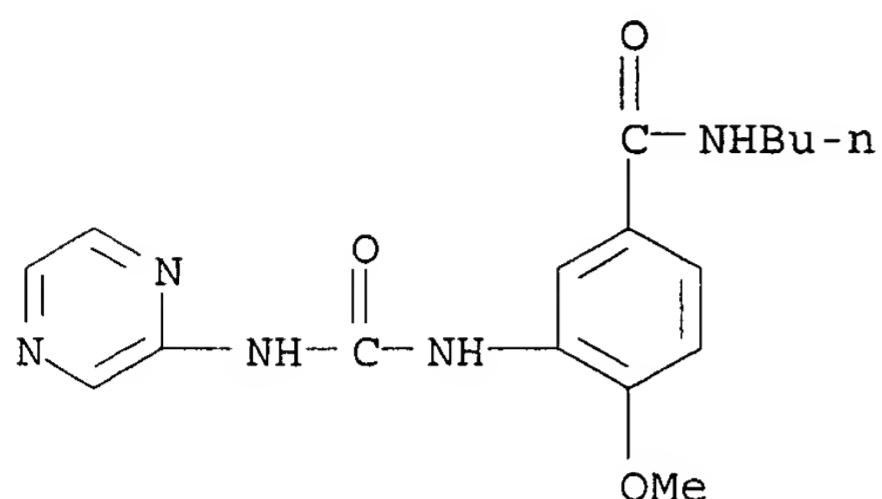
RN 457097-29-9 HCAPLUS

CN Ethanaminium, 2-[[3-methoxy-4-[(pyrazinylamino)carbonyl]amino]benzoyl]amino-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)

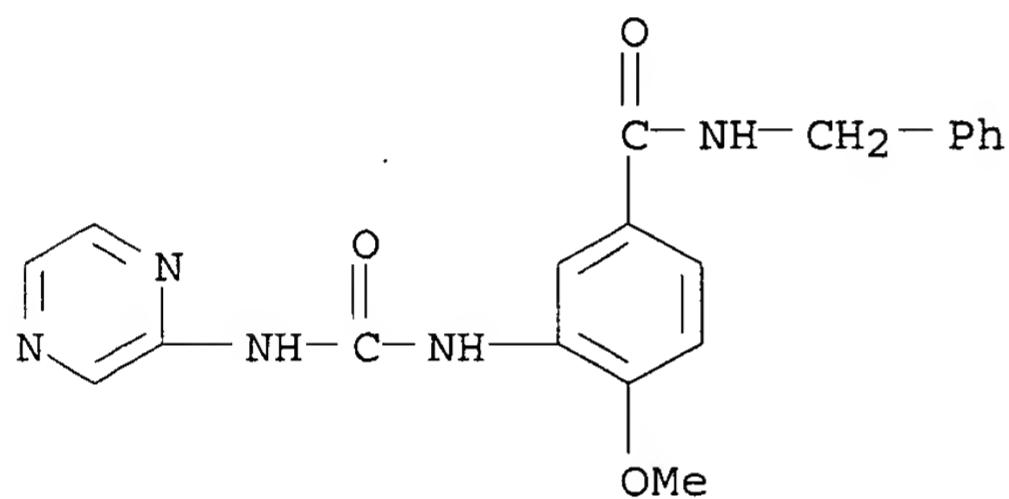
 $\text{Cl}^-$ 

RN 457097-35-7 HCAPLUS

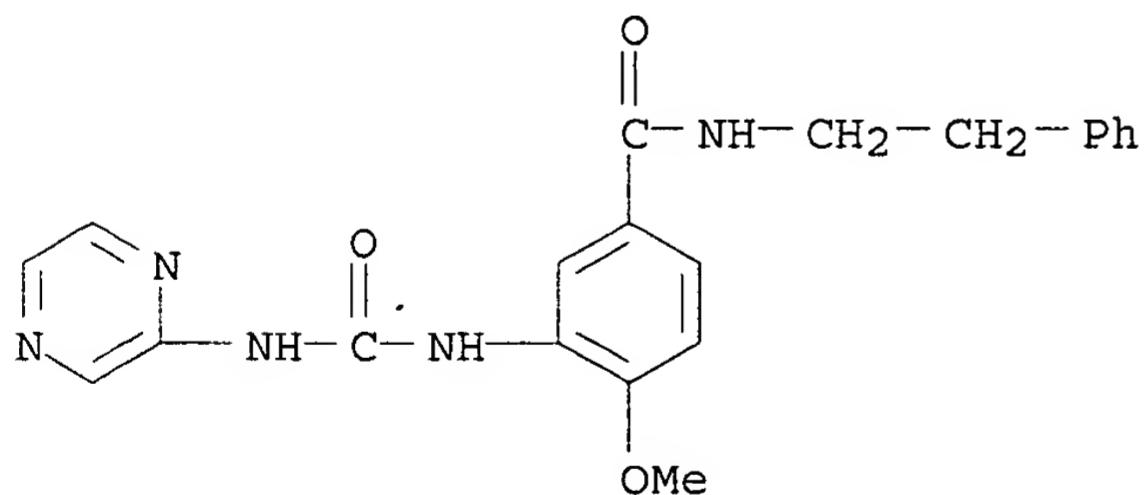
CN Benzamide, N-butyl-4-methoxy-3-[(pyrazinylamino)carbonyl]amino] - (9CI)  
(CA INDEX NAME)



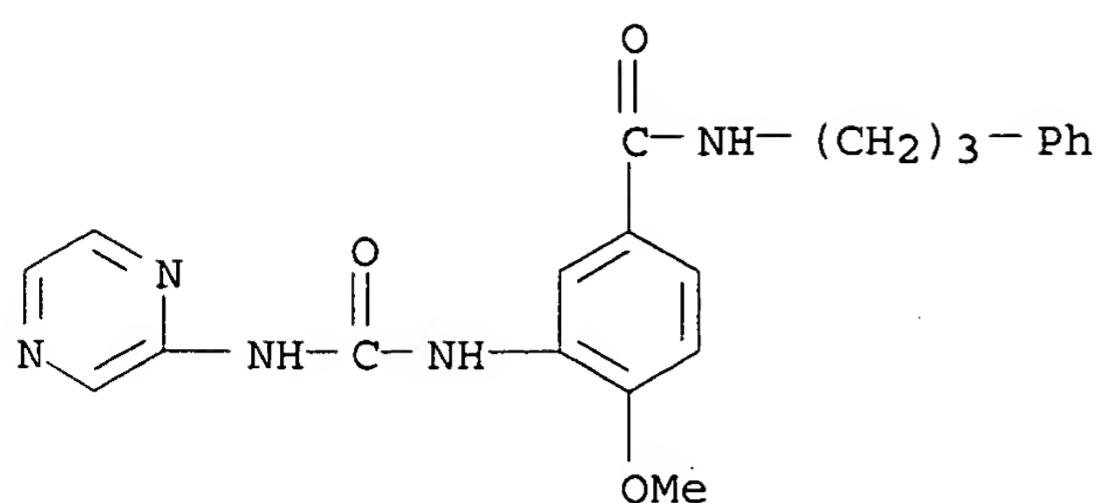
RN 457097-36-8 HCPLUS  
CN Benzamide, 4-methoxy-N-(phenylmethyl)-3-[(pyrazinylamino)carbonyl]amino] - (9CI) (CA INDEX NAME)



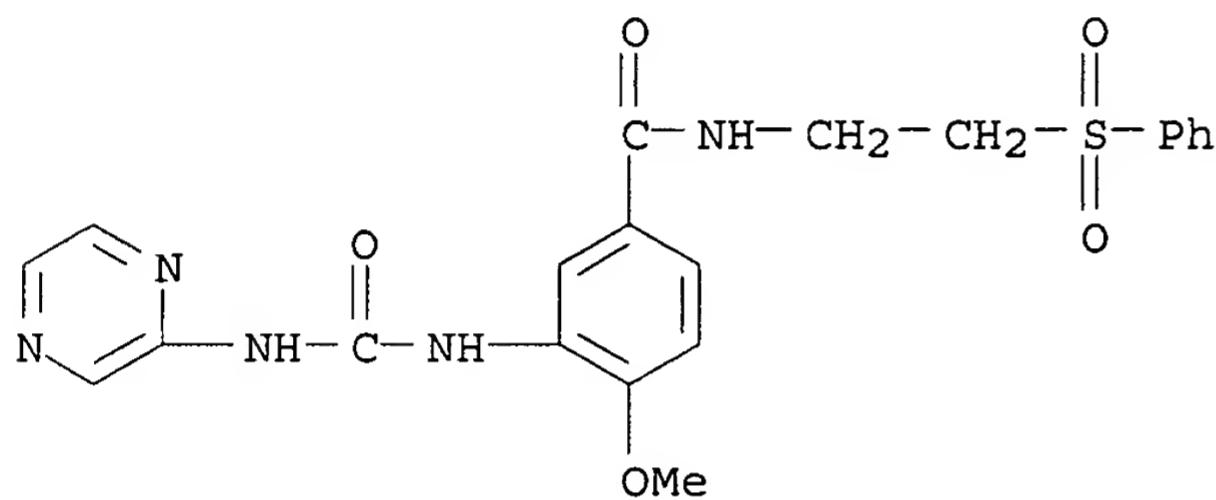
RN 457097-37-9 HCPLUS  
CN Benzamide, 4-methoxy-N-(2-phenylethyl)-3-[(pyrazinylamino)carbonyl]amino] - (9CI) (CA INDEX NAME)



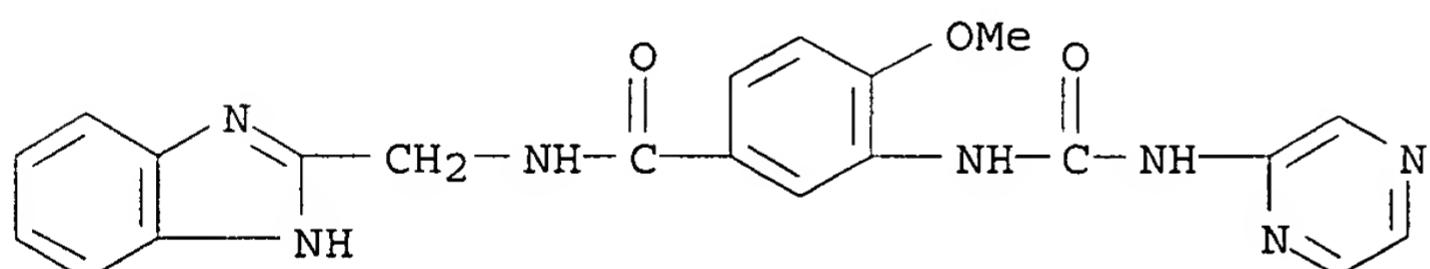
RN 457097-38-0 HCPLUS  
CN Benzamide, 4-methoxy-N-(3-phenylpropyl)-3-[(pyrazinylamino)carbonyl]amino] - (9CI) (CA INDEX NAME)



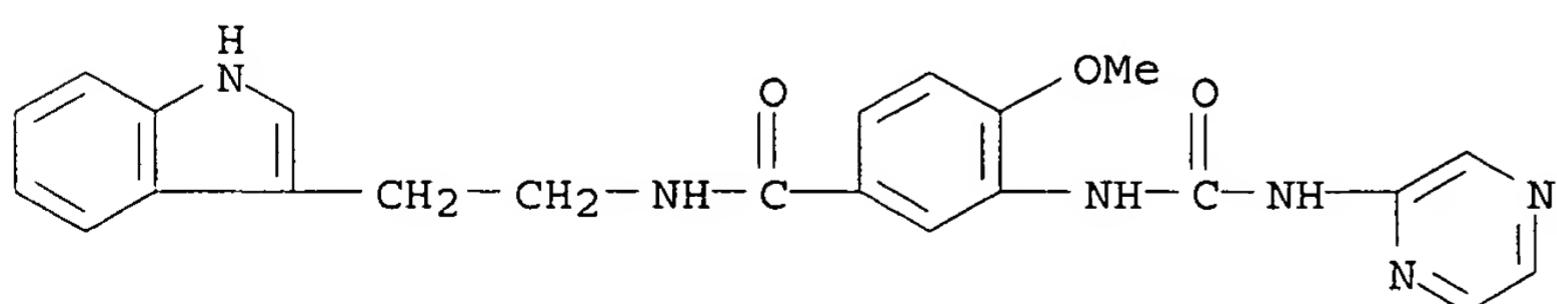
RN 457097-39-1 HCPLUS  
 CN Benzamide, 4-methoxy-N-[2-(phenylsulfonyl)ethyl]-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



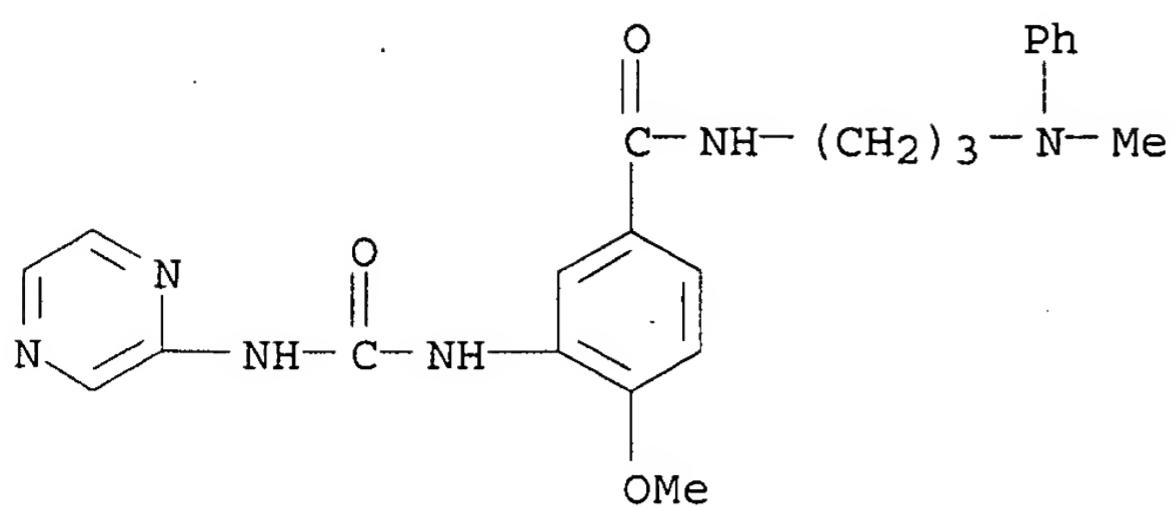
RN 457097-42-6 HCPLUS  
 CN Benzamide, N-(1H-benzimidazol-2-ylmethyl)-4-methoxy-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-43-7 HCPLUS  
 CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-4-methoxy-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

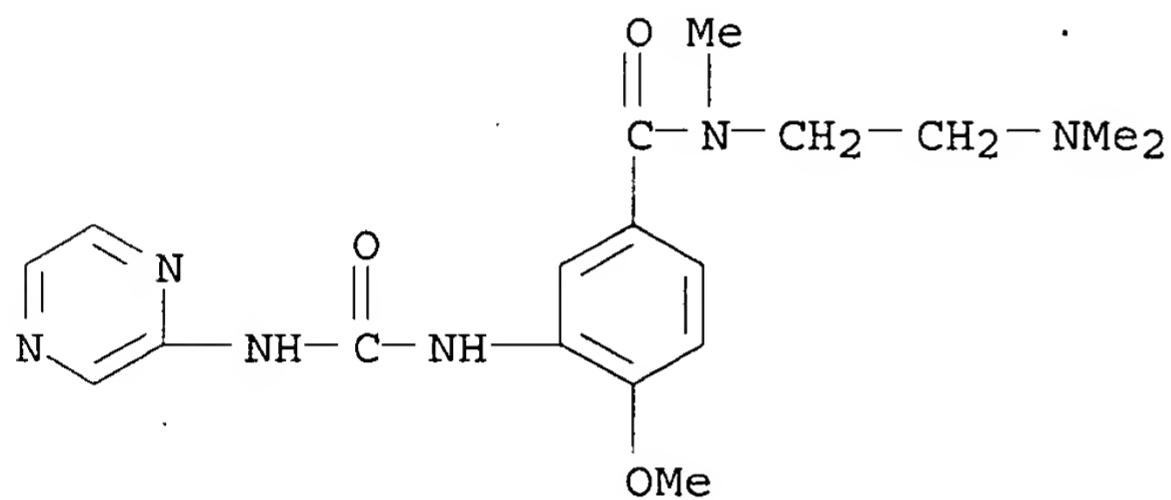


RN 457097-44-8 HCPLUS  
 CN Benzamide, 4-methoxy-N-[3-(methylphenylamino)propyl]-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



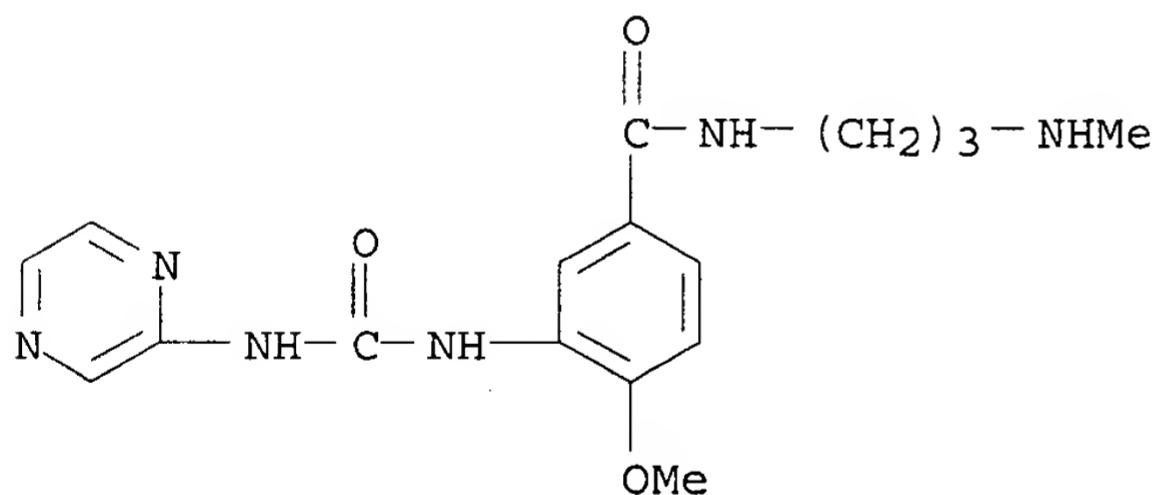
RN 457097-46-0 HCPLUS

CN Benzamide, N-[2-(dimethylamino)ethyl]-4-methoxy-N-methyl-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



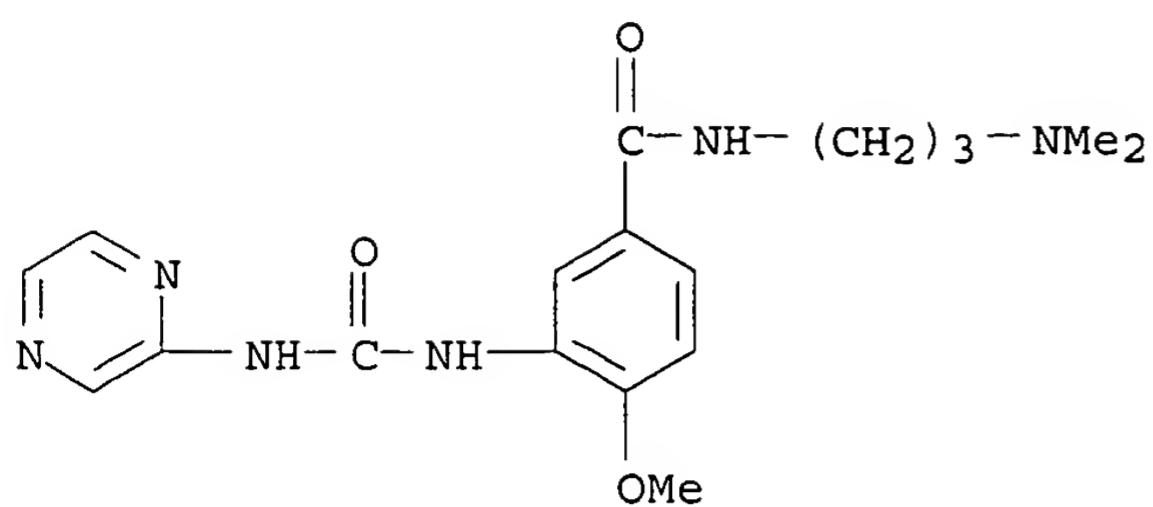
RN 457097-47-1 HCPLUS

CN Benzamide, 4-methoxy-N-[3-(methylamino)propyl]-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

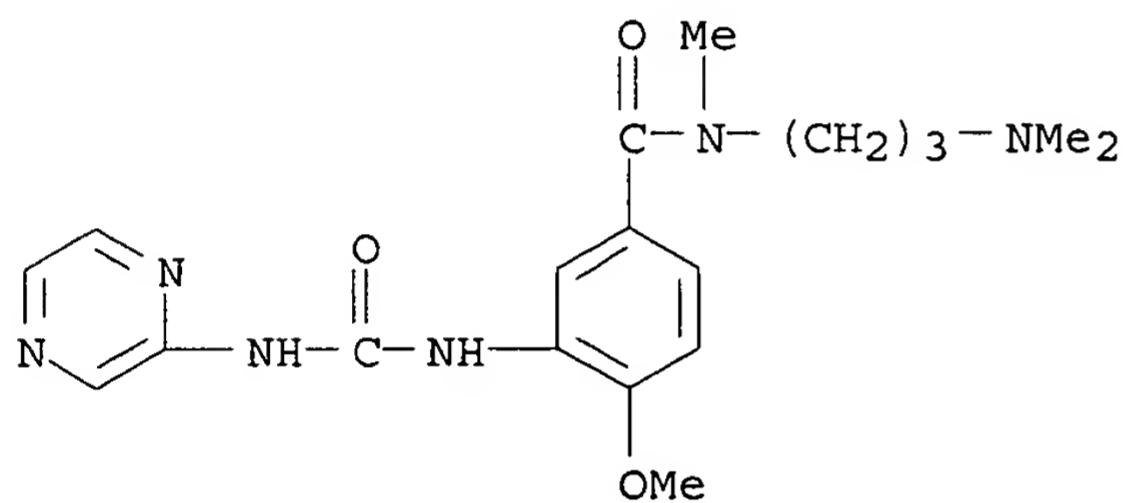


RN 457097-48-2 HCPLUS

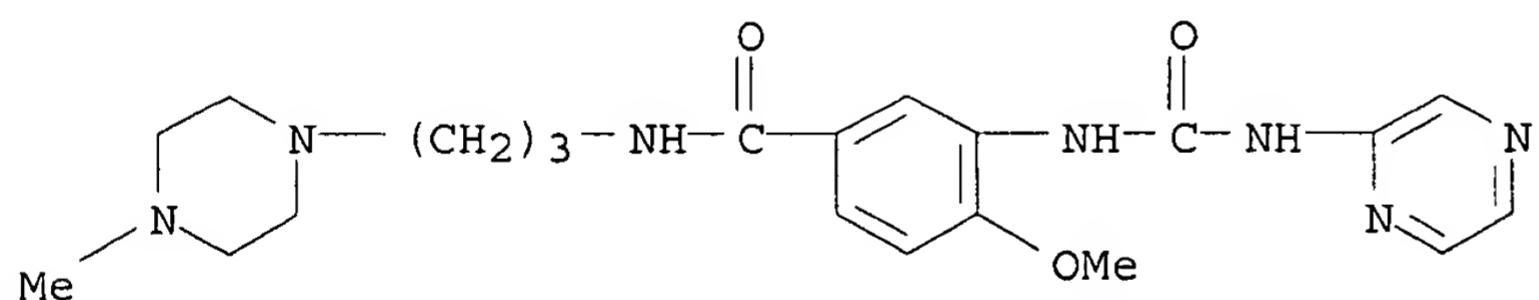
CN Benzamide, N-[3-(dimethylamino)propyl]-4-methoxy-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



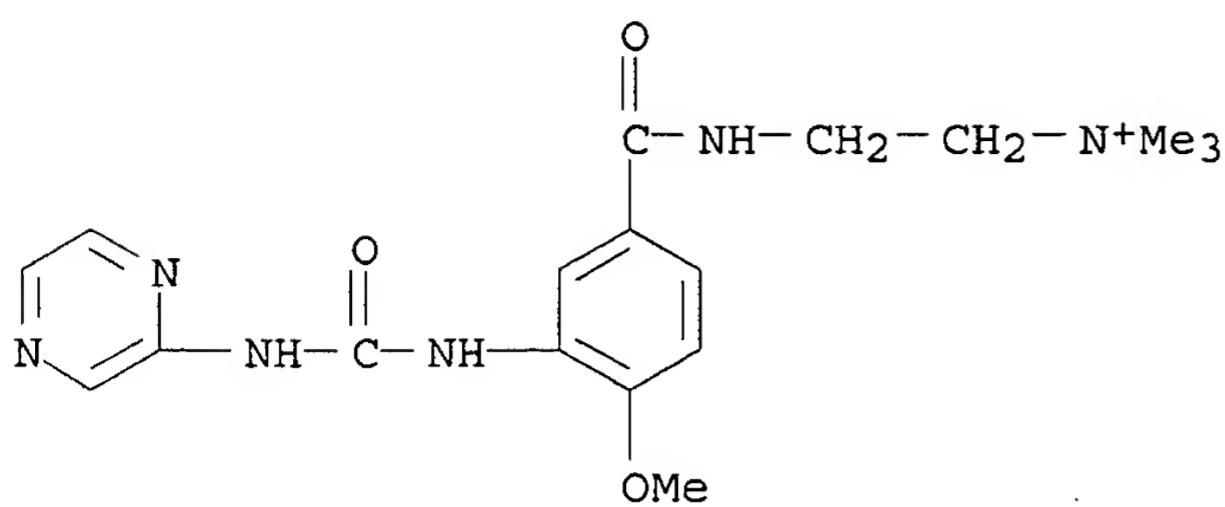
RN 457097-49-3 HCPLUS  
 CN Benzamide, N-[3-(dimethylamino)propyl]-4-methoxy-N-methyl-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-50-6 HCPLUS  
 CN Benzamide, 4-methoxy-N-[3-(4-methyl-1-piperazinyl)propyl]-3-[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

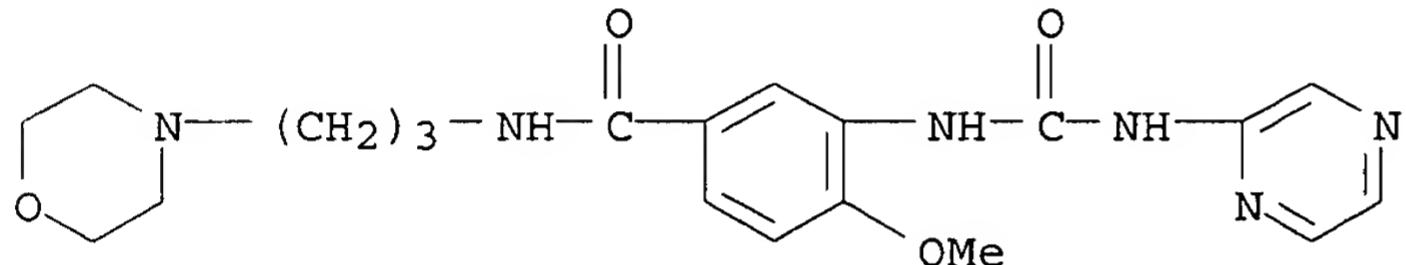


RN 457097-51-7 HCPLUS  
 CN Ethanaminium, 2-[[4-methoxy-3-[(pyrazinylamino)carbonyl]amino]benzoyl]amino]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)

● Cl<sup>-</sup>

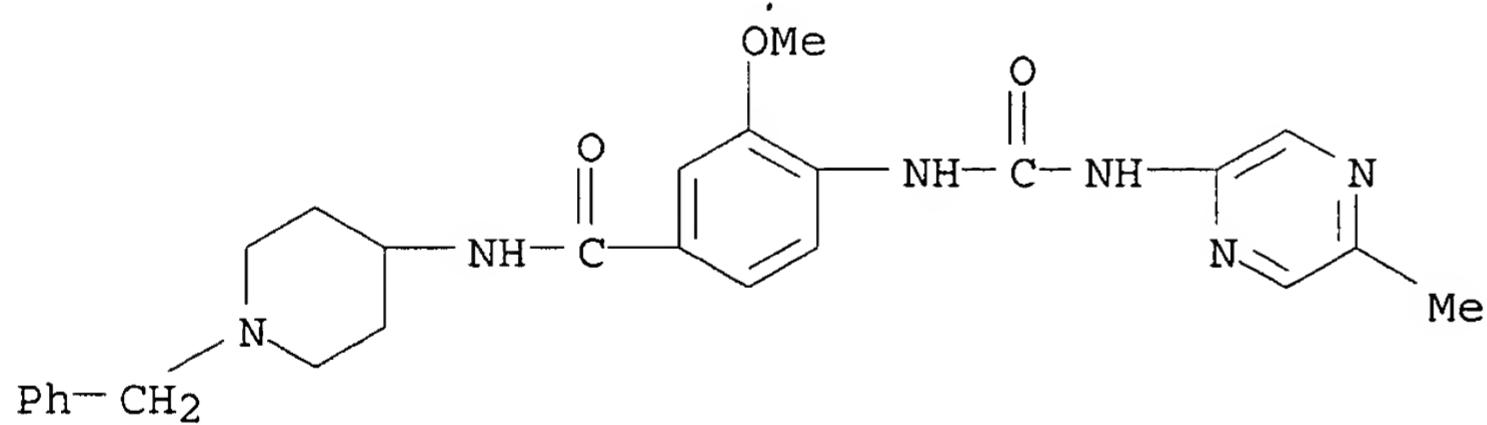
RN 457097-52-8 HCPLUS

CN Benzamide, 4-methoxy-N- [3- (4-morpholinyl)propyl] -3- [(pyrazinylamino)carbonyl]amino] - (9CI) (CA INDEX NAME)



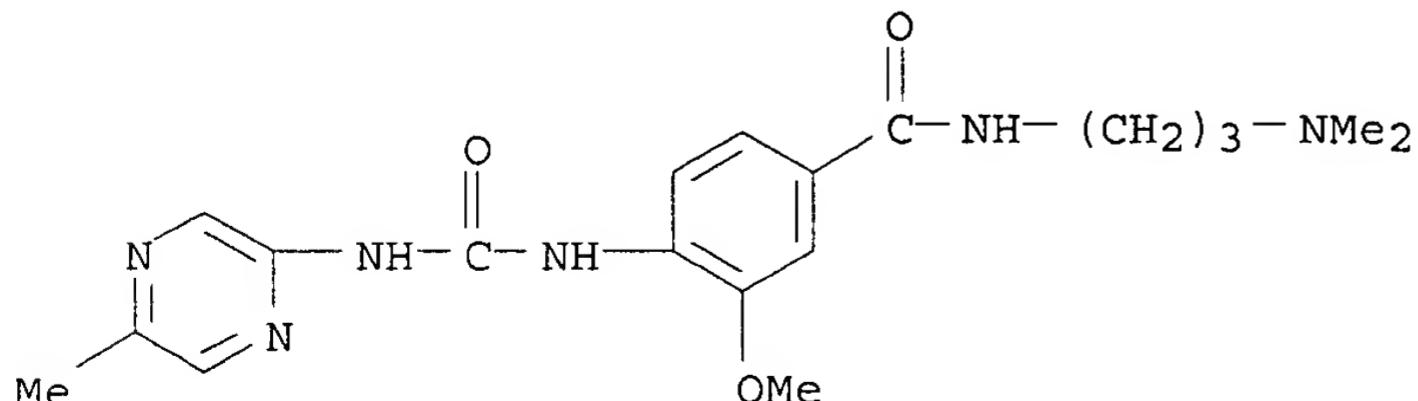
RN 457097-59-5 HCPLUS

CN Benzamide, 3-methoxy-4- [ [ [(5-methylpyrazinyl)amino]carbonyl]amino] -N- [1- (phenylmethyl) -4-piperidinyl] - (9CI) (CA INDEX NAME)



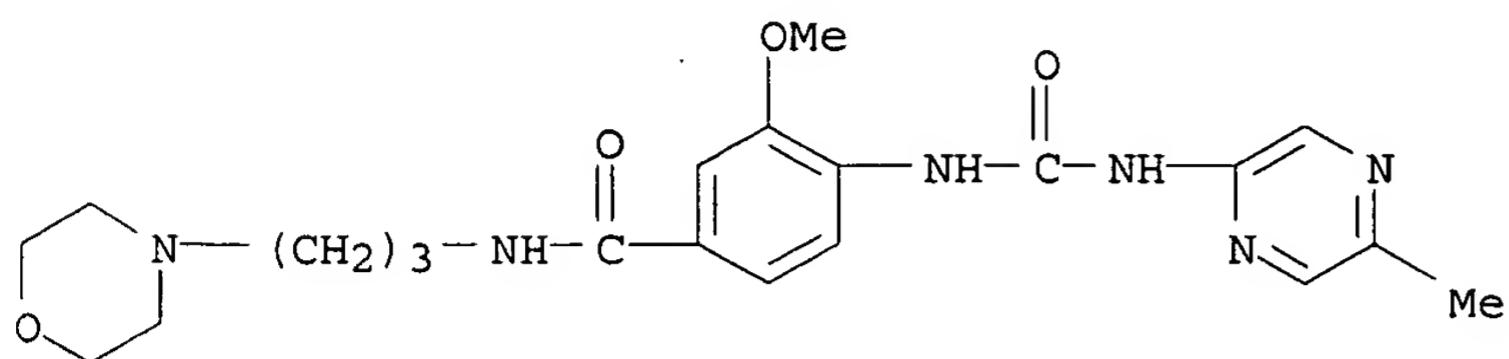
RN 457097-61-9 HCPLUS

CN Benzamide, N- [3- (dimethylamino)propyl] -3-methoxy-4- [ [ [(5- methylpyrazinyl)amino]carbonyl]amino] - (9CI) (CA INDEX NAME)



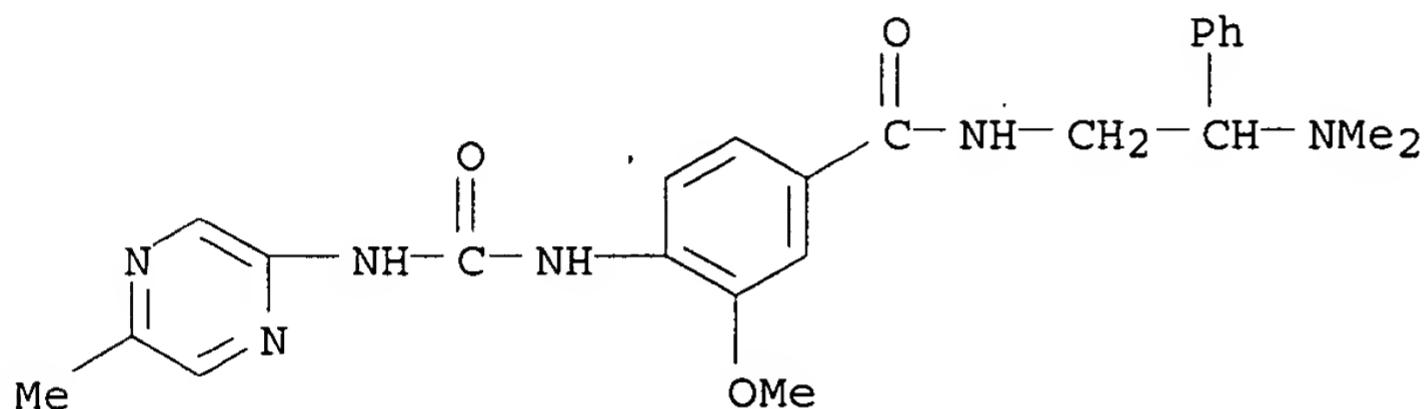
RN 457097-63-1 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[3-(4-morpholinyl)propyl]- (9CI) (CA INDEX NAME)



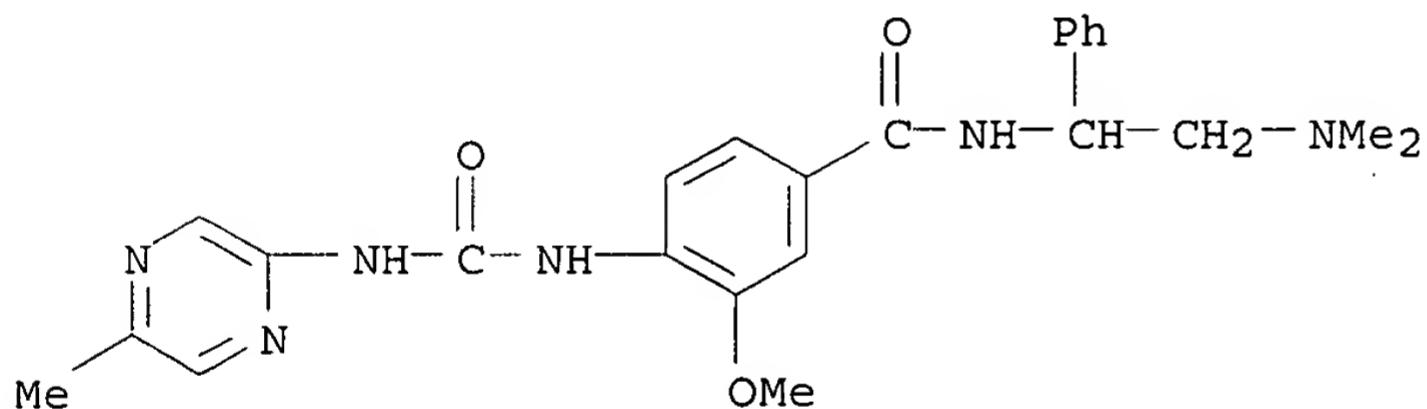
RN 457097-65-3 HCPLUS

CN Benzamide, N-[2-(dimethylamino)-2-phenylethyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



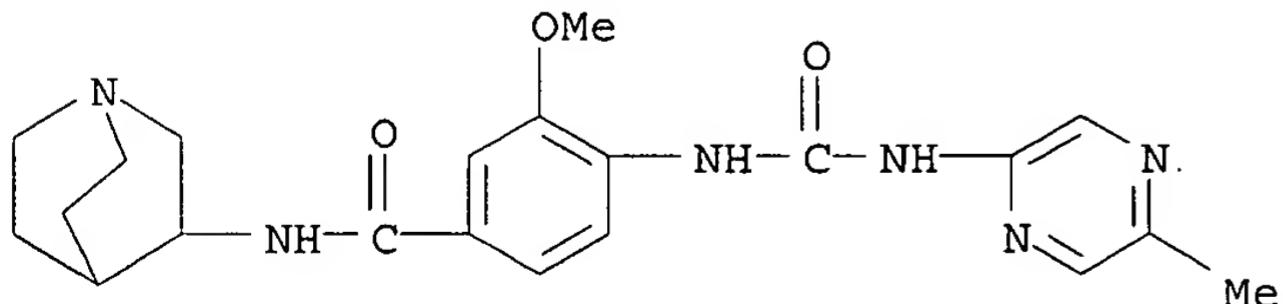
RN 457097-68-6 HCPLUS

CN Benzamide, N-[2-(dimethylamino)-1-phenylethyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-70-0 HCPLUS

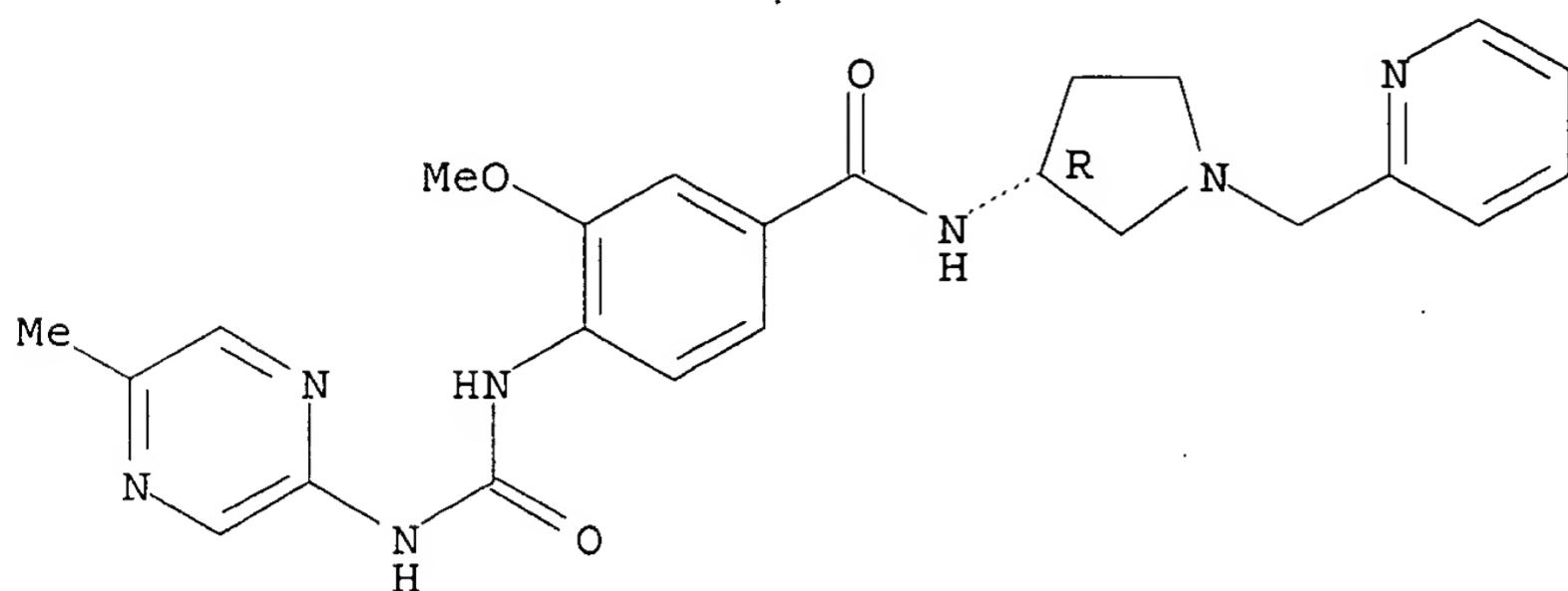
CN Benzamide, N-1-azabicyclo[2.2.2]oct-3-yl-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-71-1 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

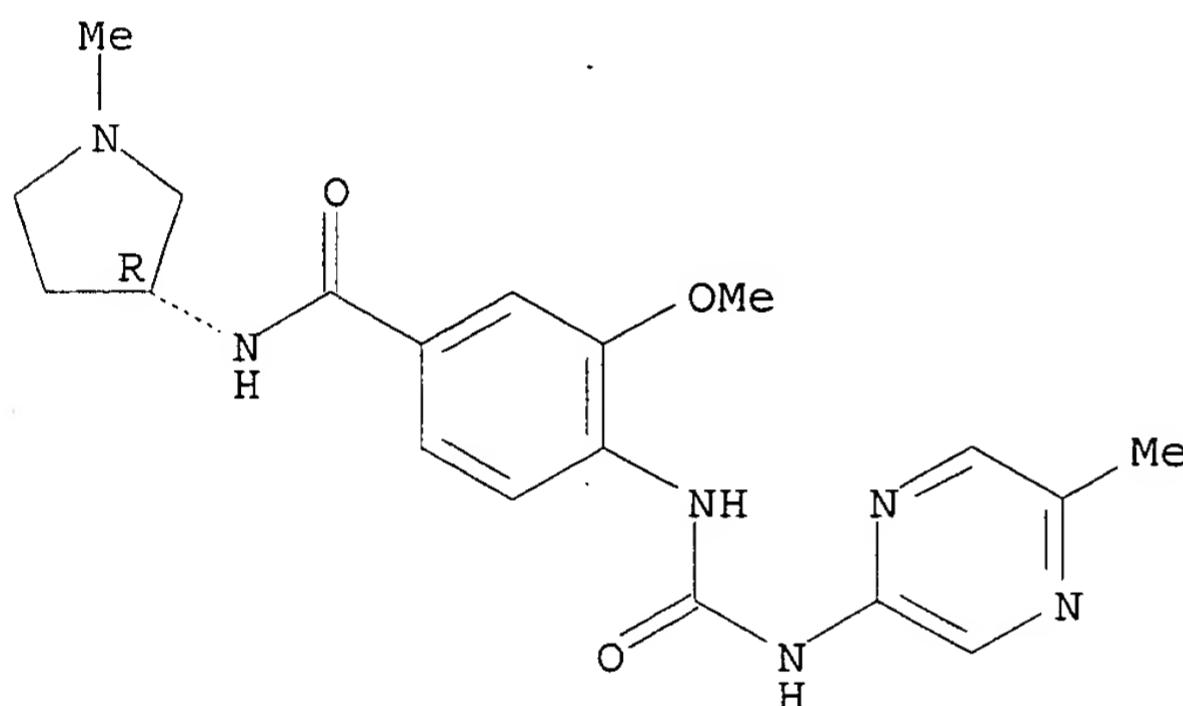
Absolute stereochemistry.



RN 457097-74-4 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-methyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

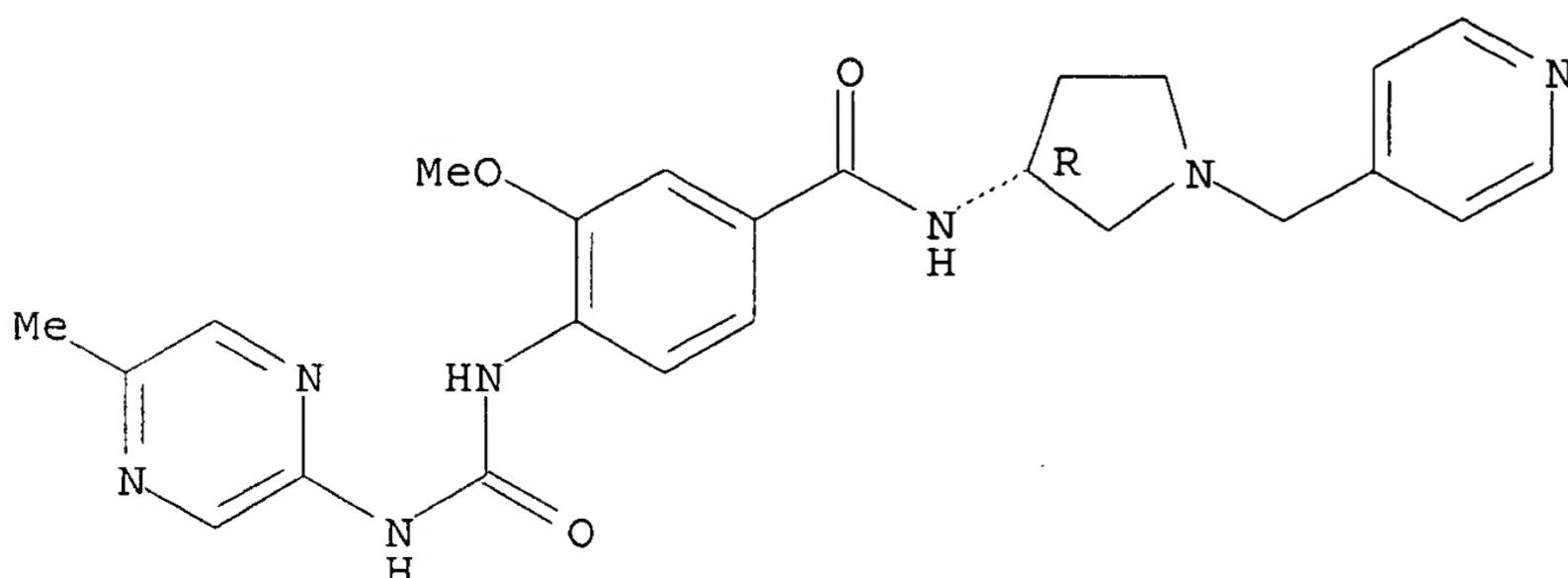
Absolute stereochemistry.



RN 457097-77-7 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(4-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

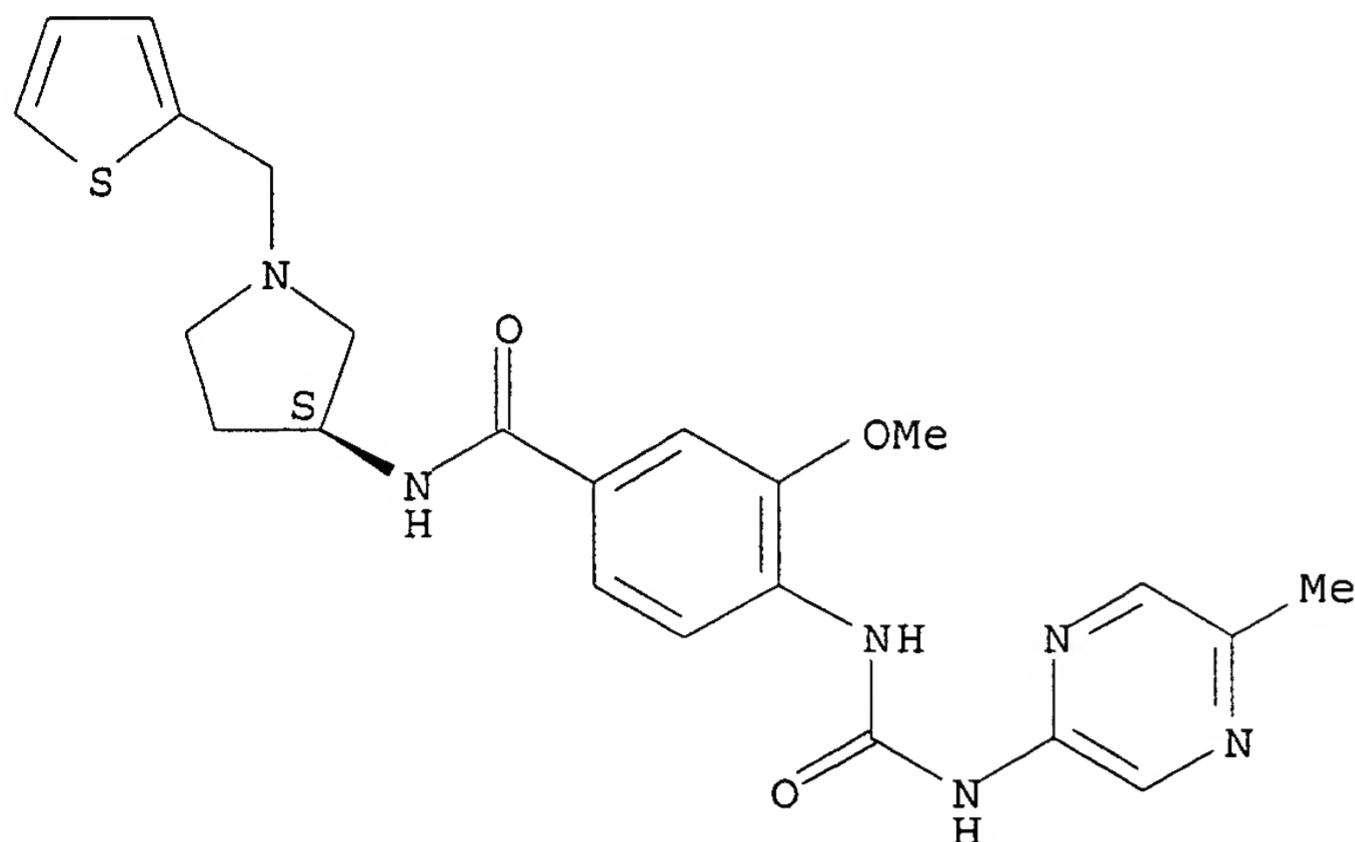


RN 457097-79-9 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-methyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

1- (2-thienylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

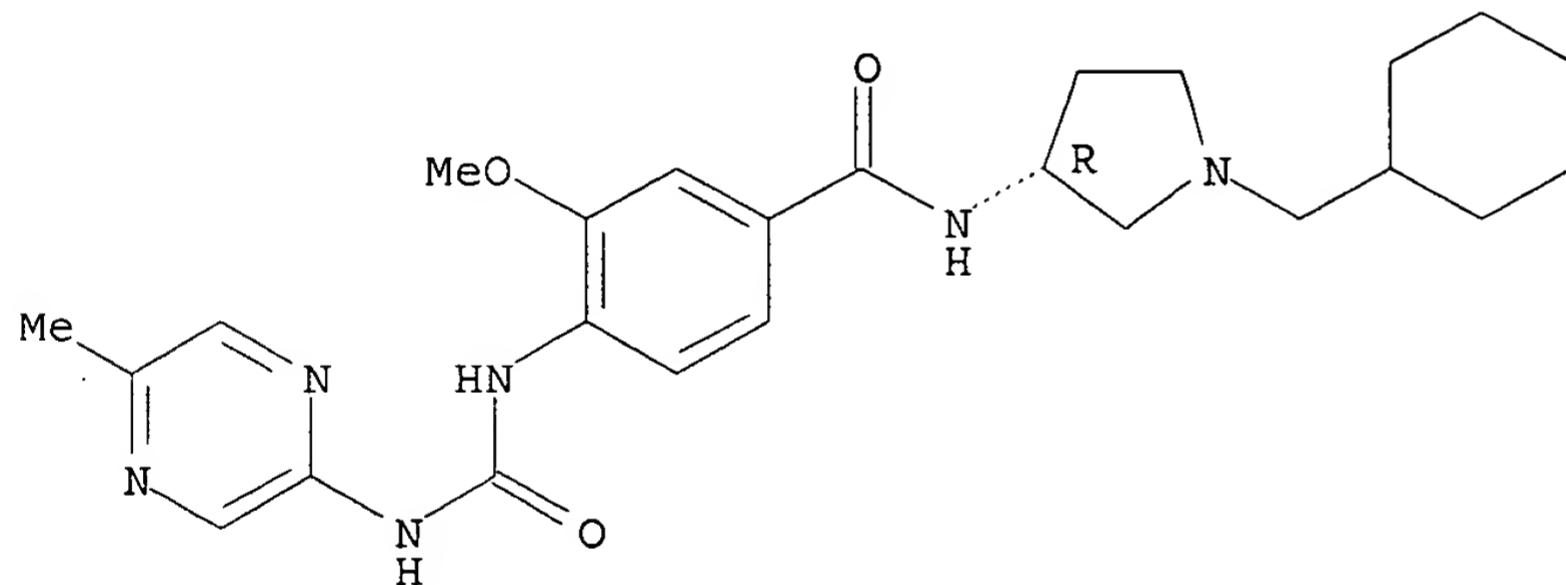
Absolute stereochemistry.



RN 457097-81-3 HCAPLUS

CN Benzamide, N-[(3R)-1-(cyclohexylmethyl)-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

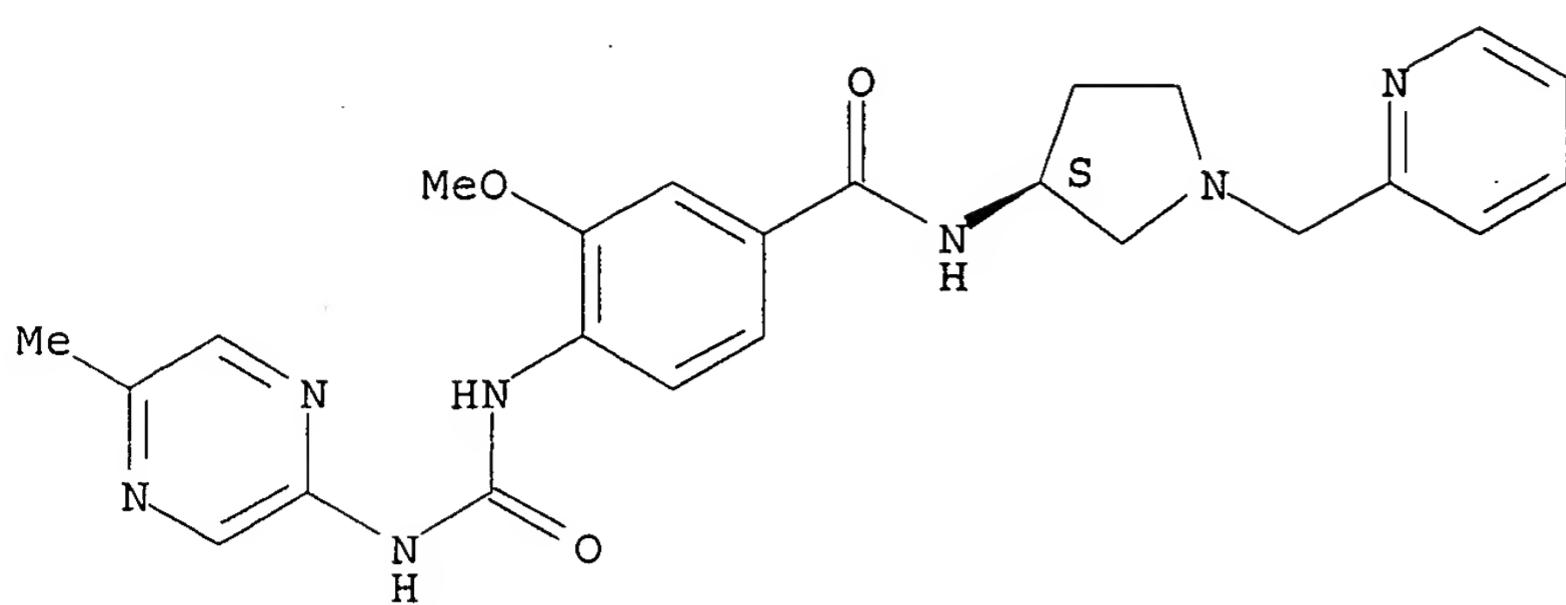
Absolute stereochemistry.



RN 457097-84-6 HCAPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

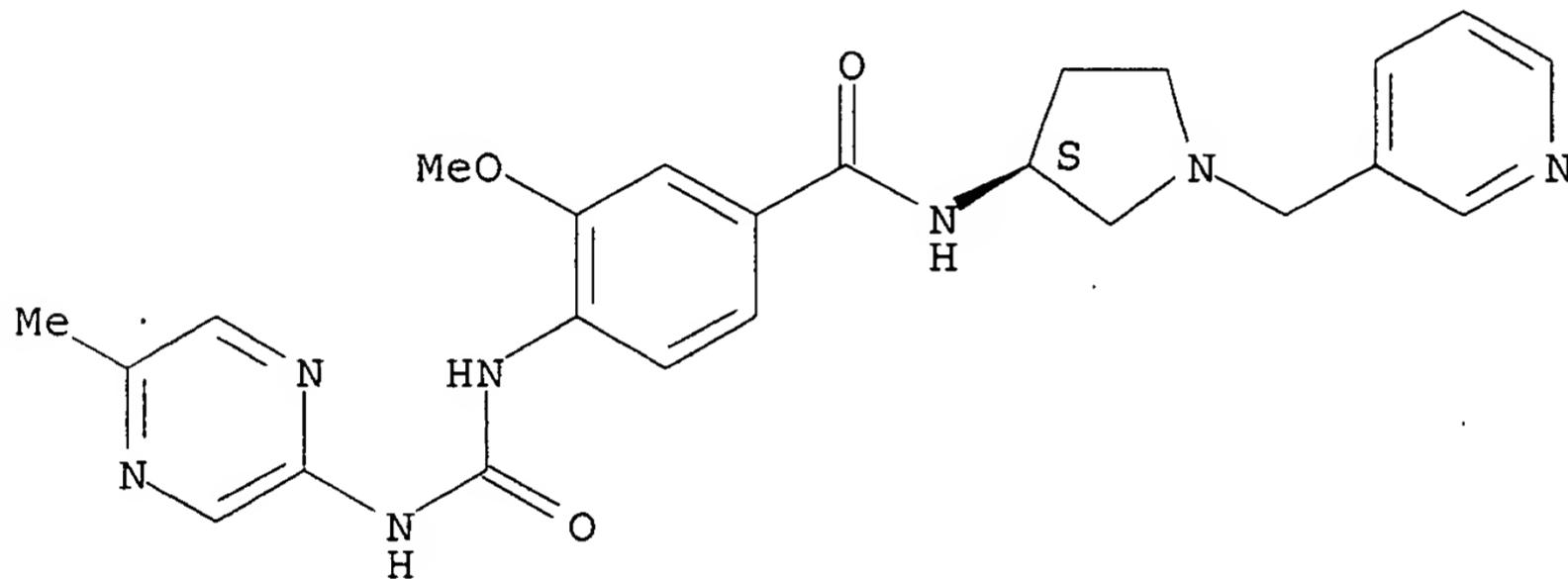
Absolute stereochemistry.



RN 457097-86-8 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(3-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

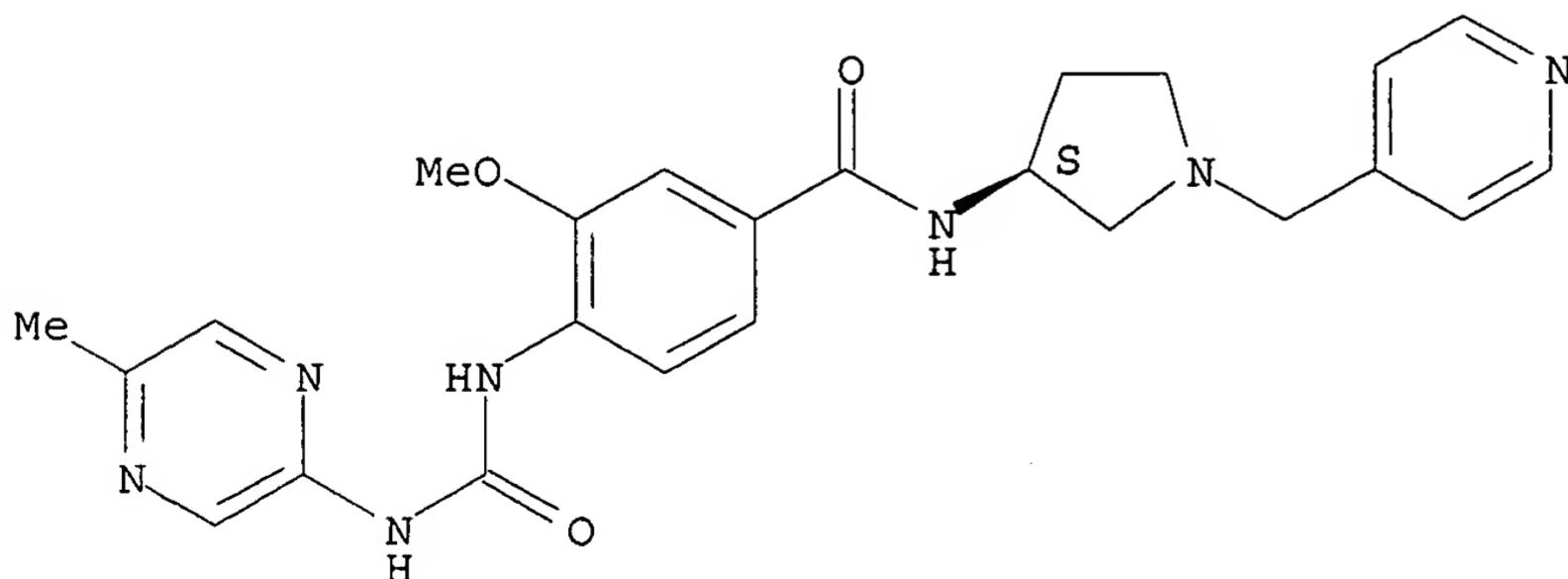
Absolute stereochemistry.



RN 457097-87-9 HCPLUS

CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(4-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

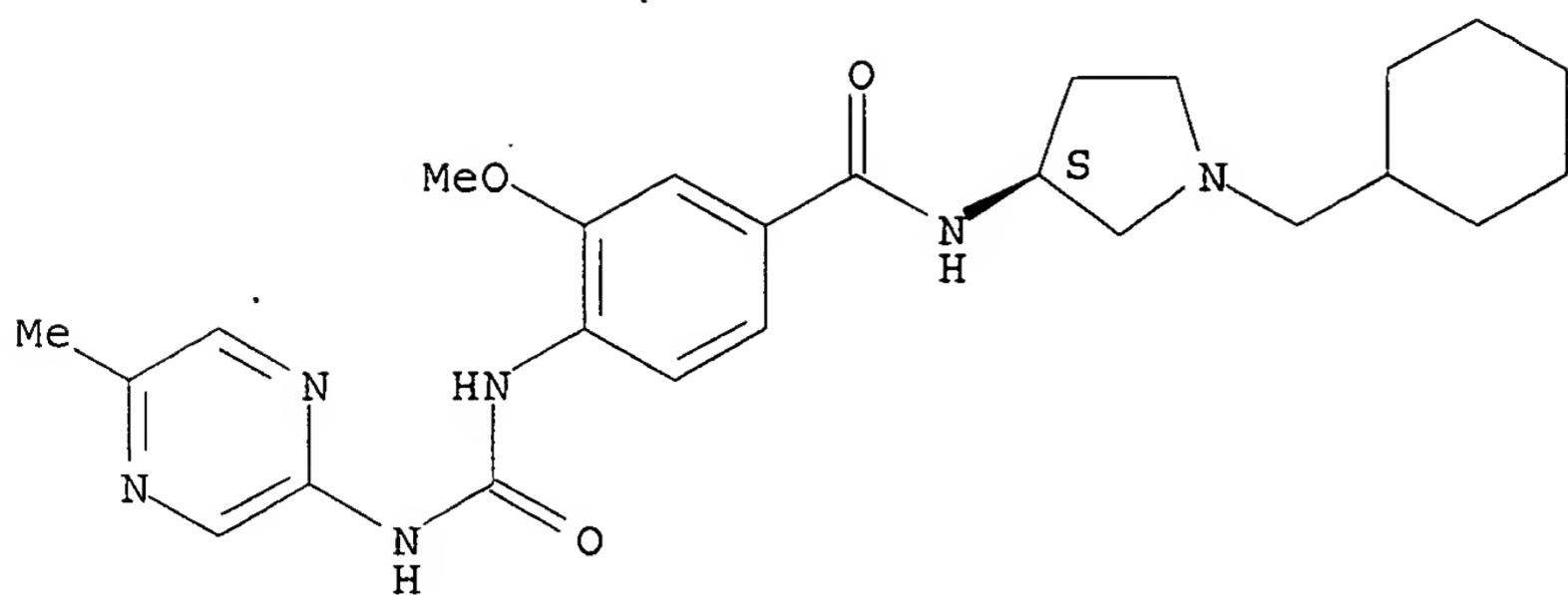
Absolute stereochemistry.



RN 457097-90-4 HCPLUS

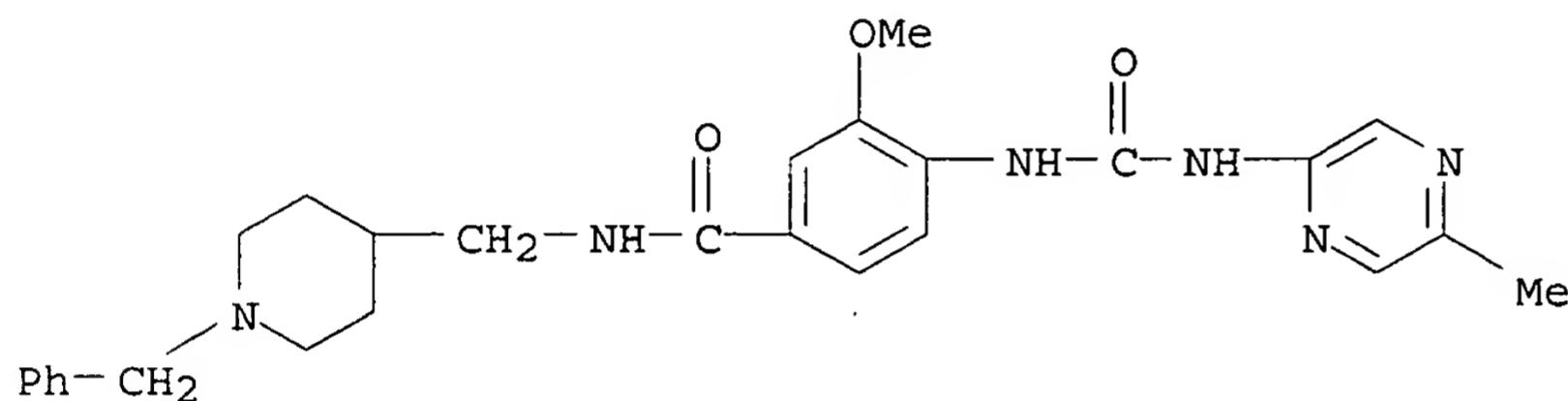
CN Benzamide, N-[(3S)-1-(cyclohexylmethyl)-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 457097-97-1 HCPLUS

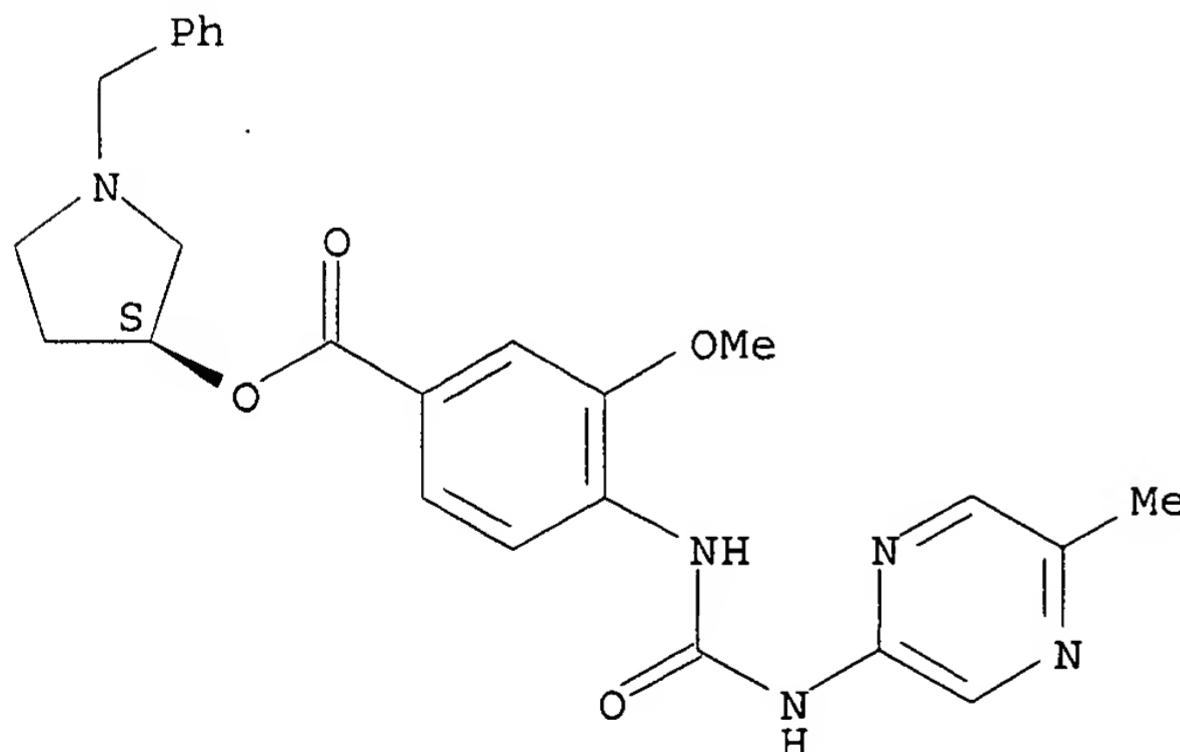
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(1-phenylmethyl)-4-piperidinyl]methyl- (9CI) (CA INDEX NAME)



RN 457098-01-0 HCPLUS

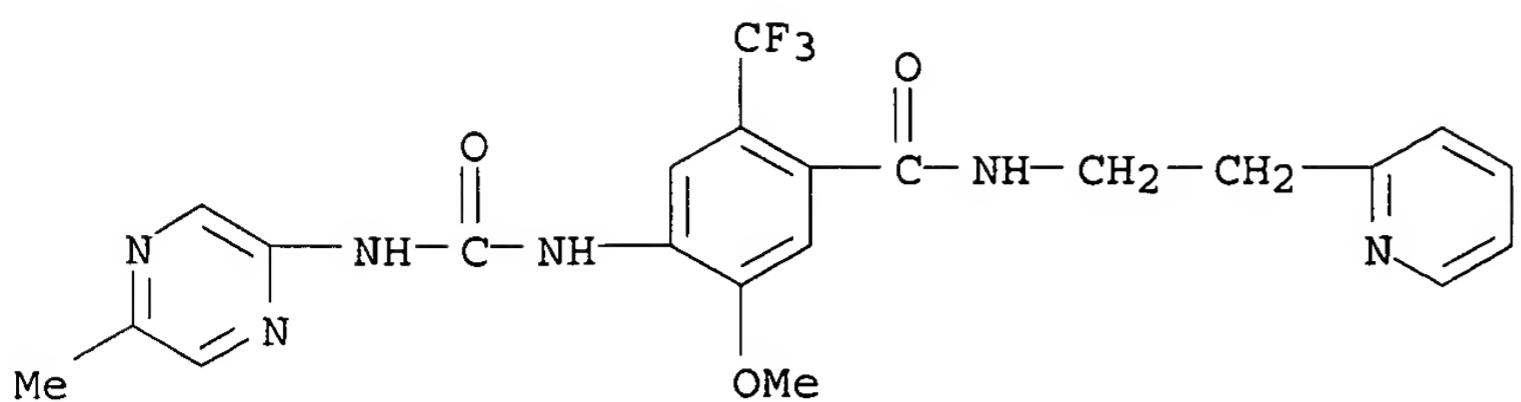
CN Benzoic acid, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-, (3S)-1-(phenylmethyl)-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



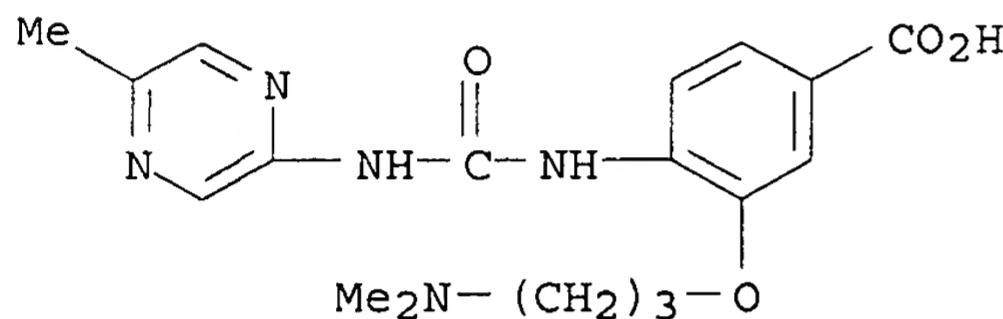
RN 457098-08-7 HCPLUS

CN Benzamide, 5-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



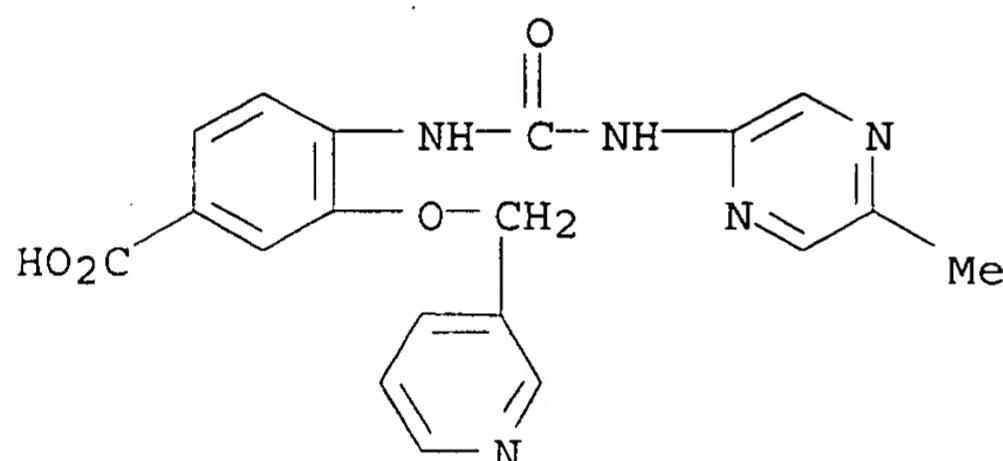
RN 457098-13-4 HCPLUS

CN Benzoic acid, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



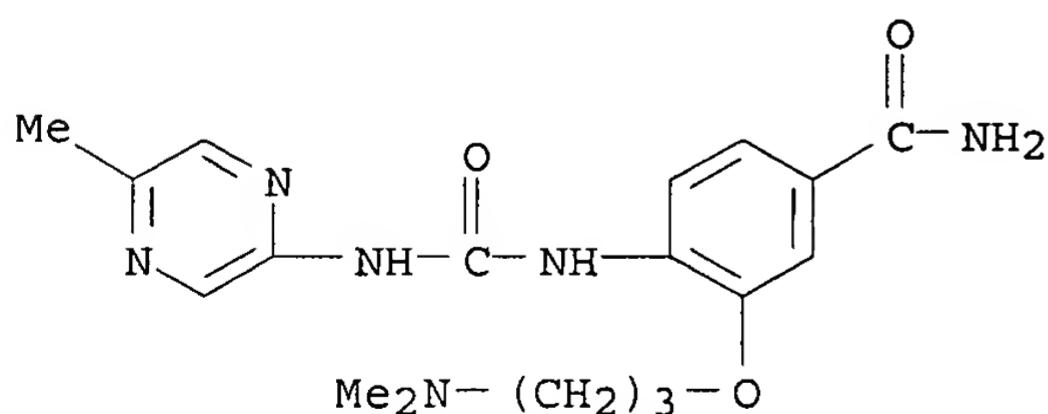
RN 457098-17-8 HCPLUS

CN Benzoic acid, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



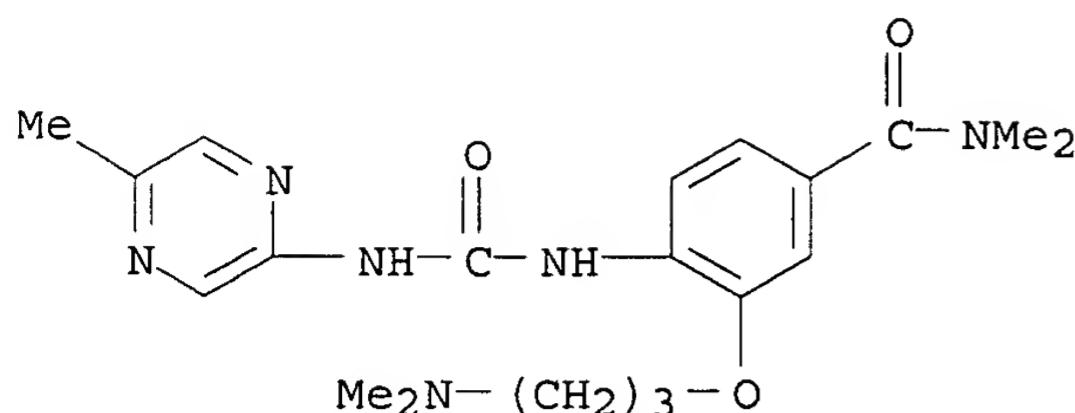
RN 457098-21-4 HCPLUS

CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



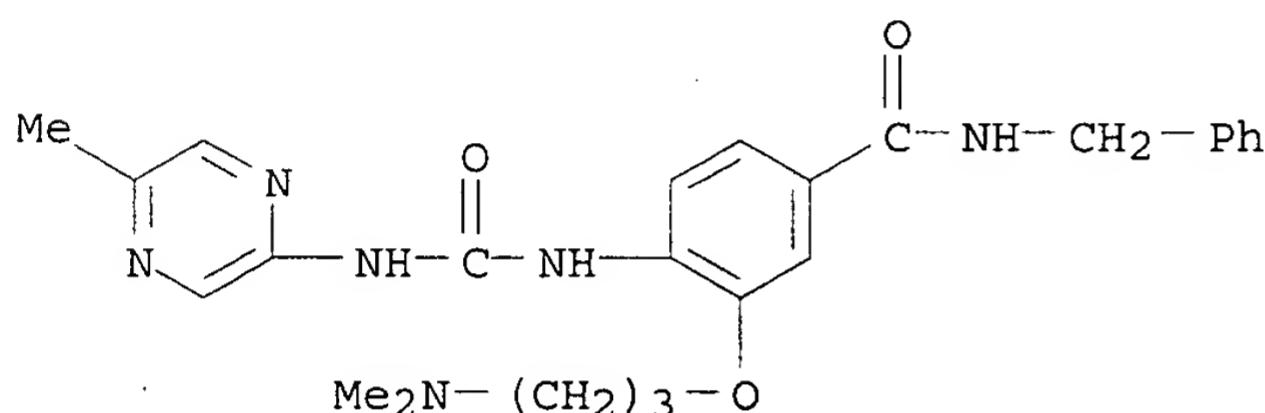
RN 457098-22-5 HCPLUS

CN Benzamide, 3-[3-(dimethylamino)propoxy]-N,N-dimethyl-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



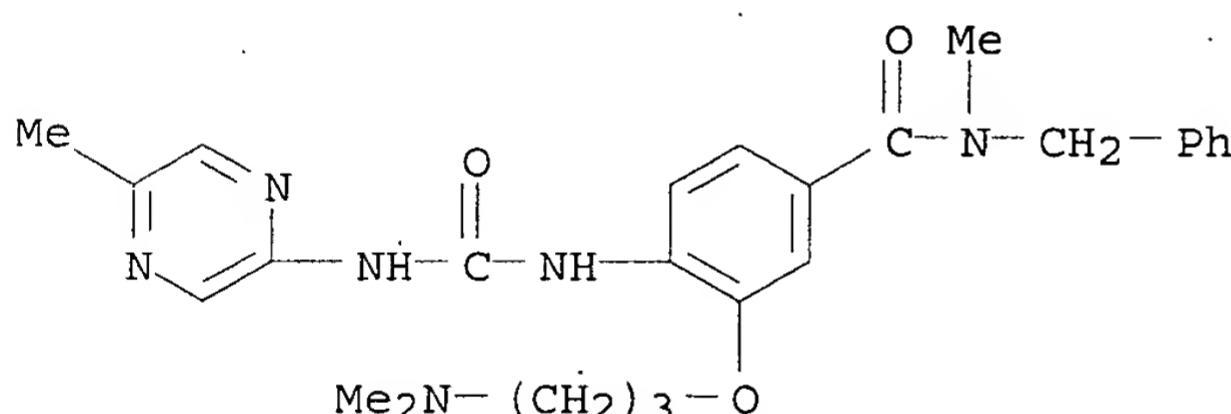
RN 457098-23-6 HCPLUS

CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



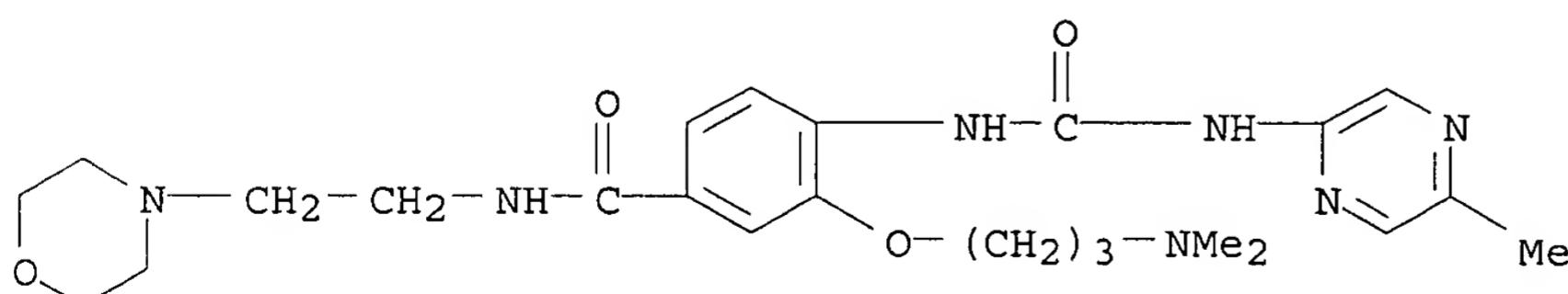
RN 457098-24-7 HCPLUS

CN Benzamide, 3-[3-(dimethylamino)propoxy]-N-methyl-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 457098-25-8 HCPLUS

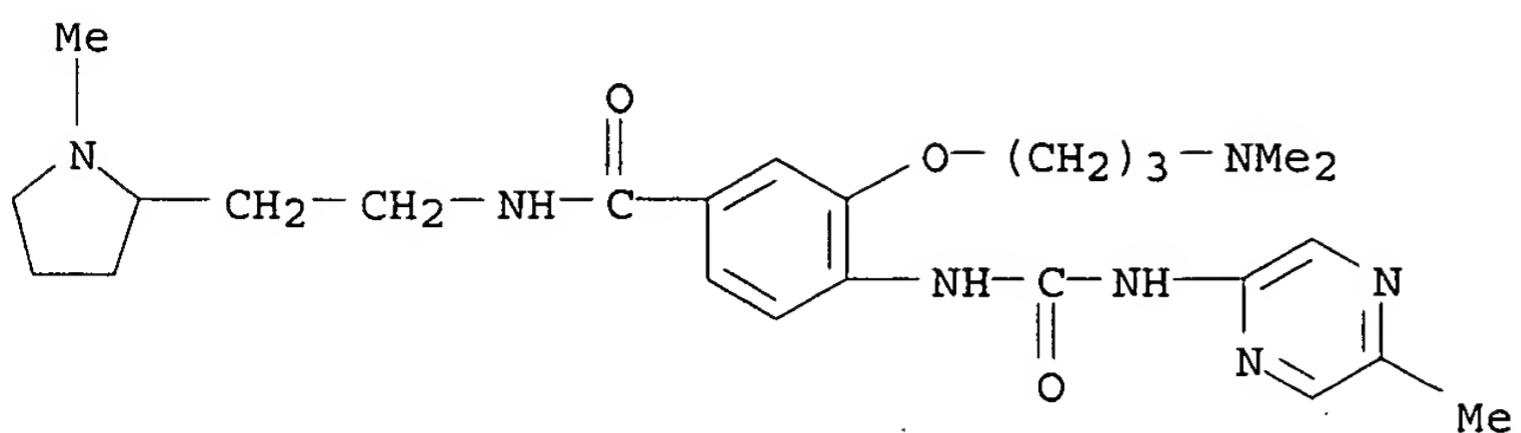
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 457098-26-9 HCPLUS

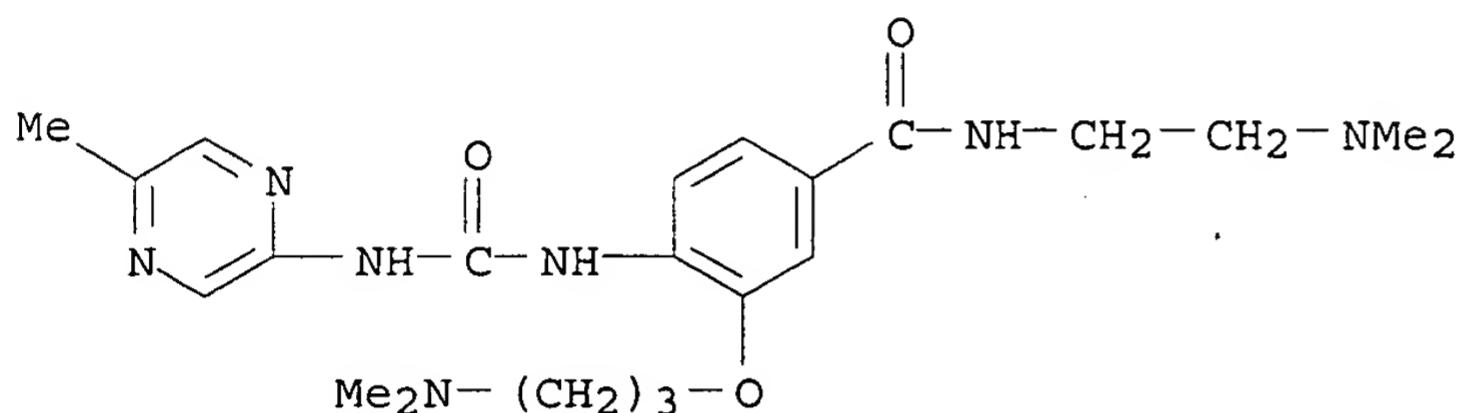
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]-

(9CI) (CA INDEX NAME)



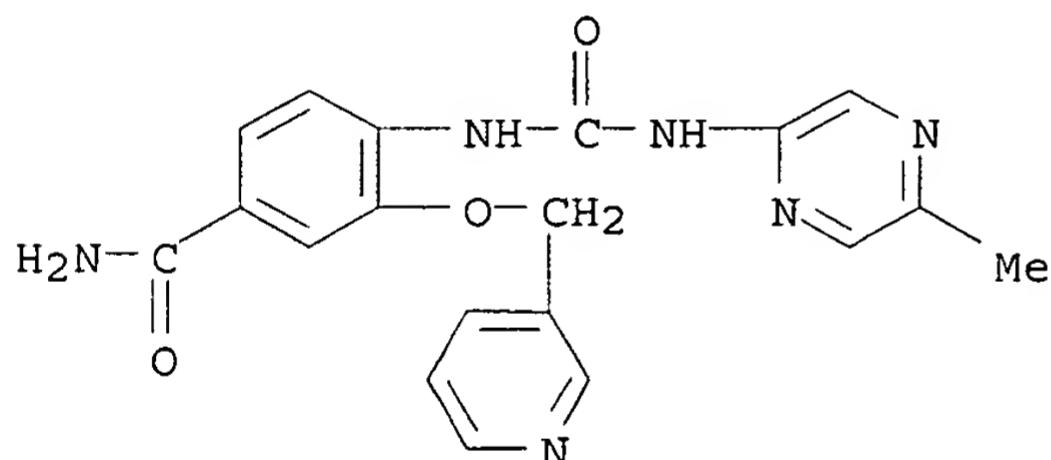
RN 457098-27-0 HCPLUS

CN Benzamide, N-[2-(dimethylamino)ethyl]-3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



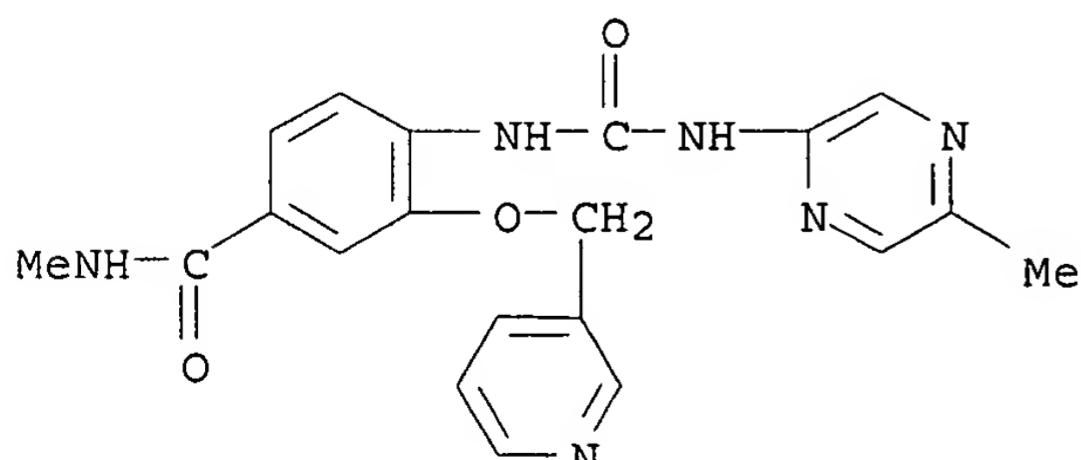
RN 457098-29-2 HCPLUS

CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



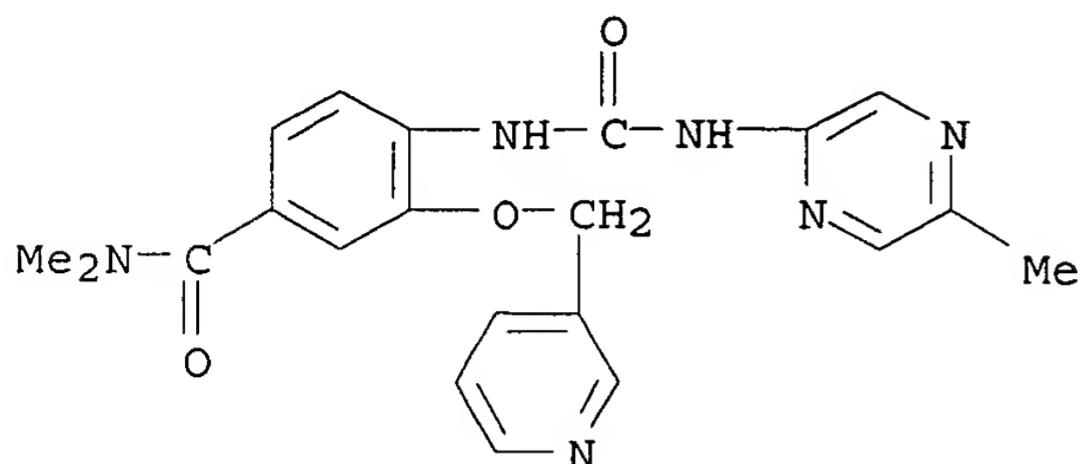
RN 457098-30-5 HCPLUS

CN Benzamide, N-methyl-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



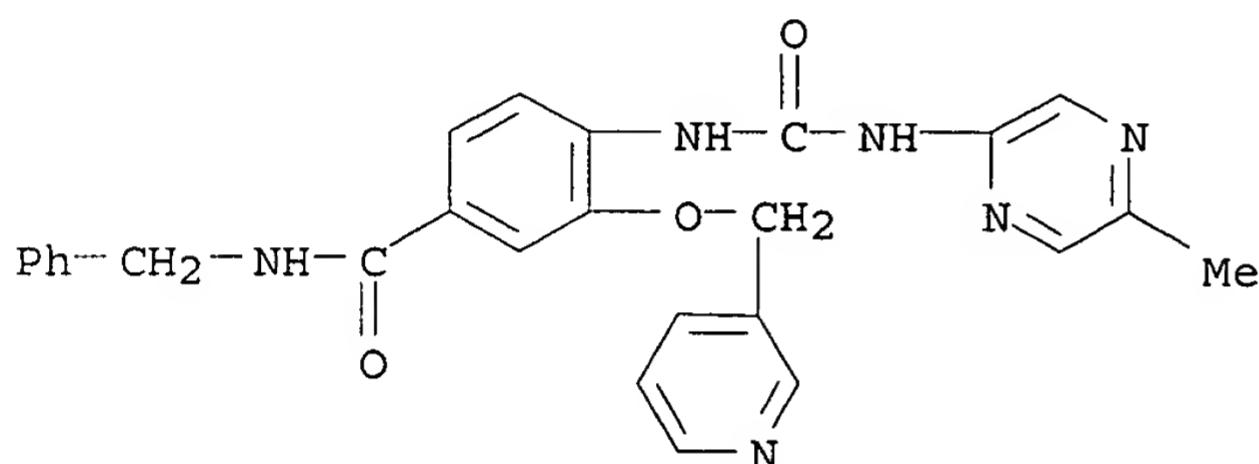
RN 457098-31-6 HCAPLUS

CN Benzamide, N,N-dimethyl-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy) - (9CI) (CA INDEX NAME)



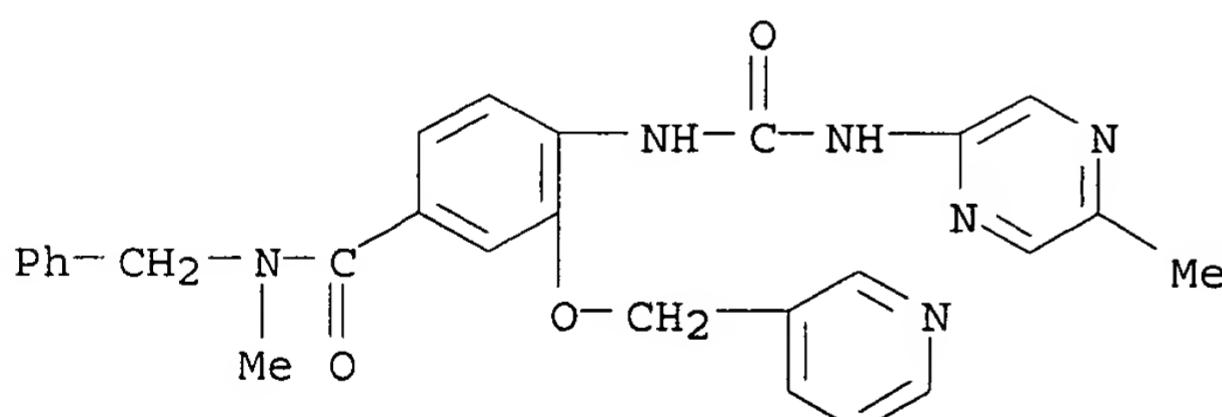
RN 457098-32-7 HCAPLUS

CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)-3-(3-pyridinylmethoxy) - (9CI) (CA INDEX NAME)



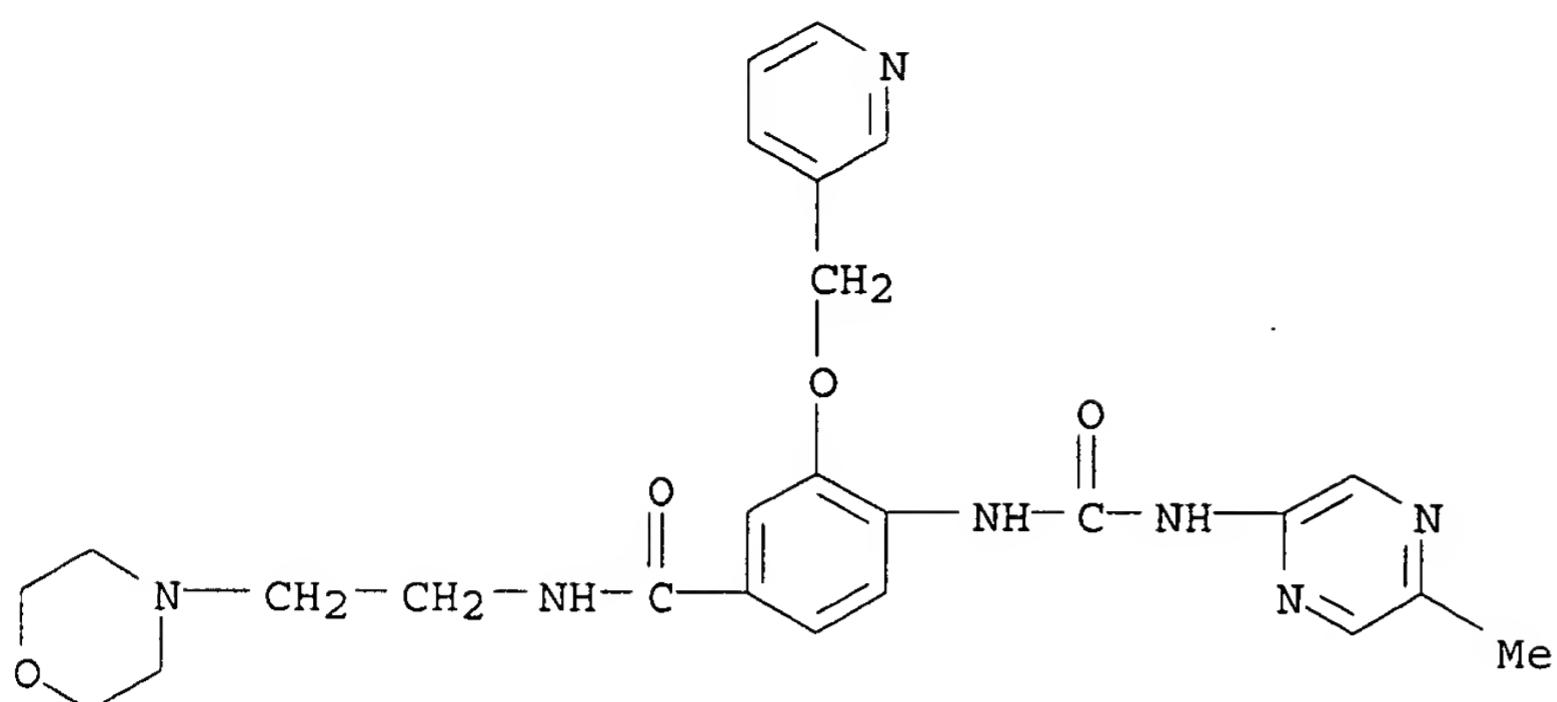
RN 457098-33-8 HCAPLUS

CN Benzamide, N-methyl-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)-3-(3-pyridinylmethoxy) - (9CI) (CA INDEX NAME)



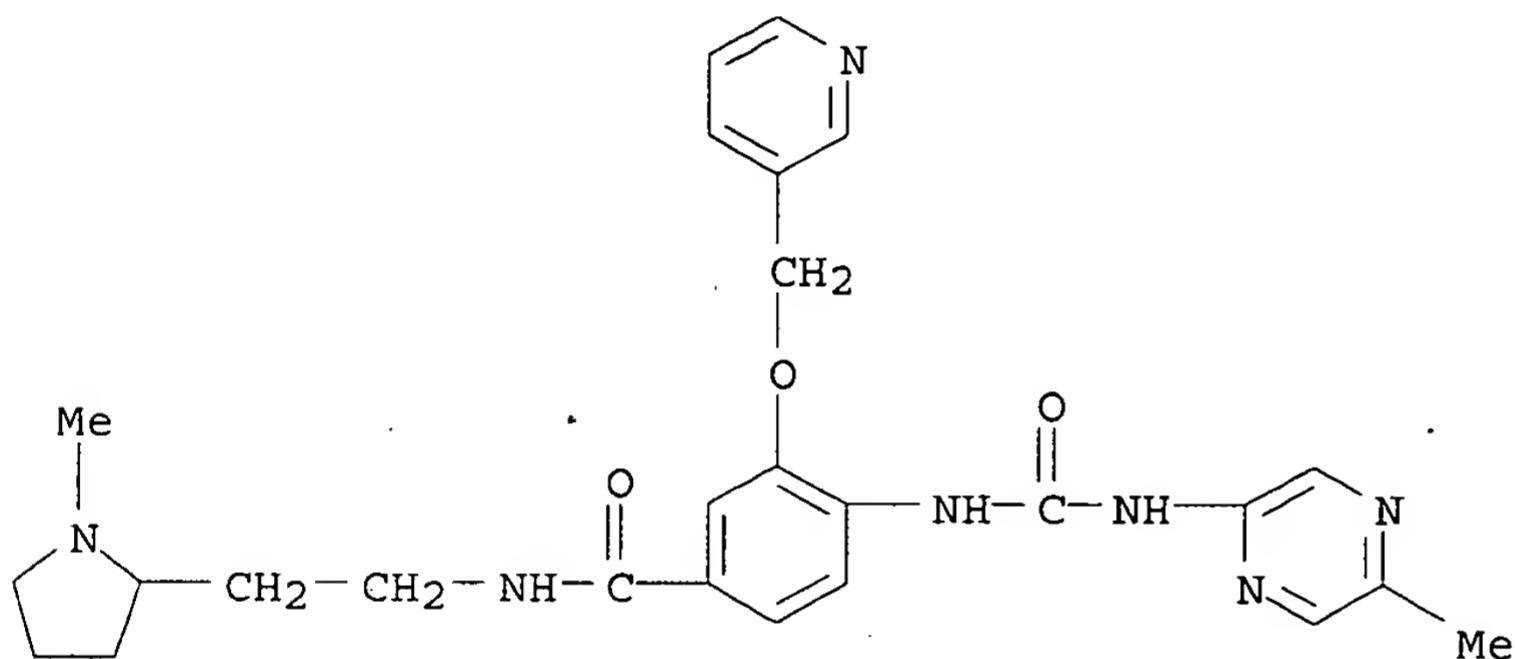
RN 457098-34-9 HCAPLUS

CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]-3-(3-pyridinylmethoxy) - (9CI) (CA INDEX NAME)



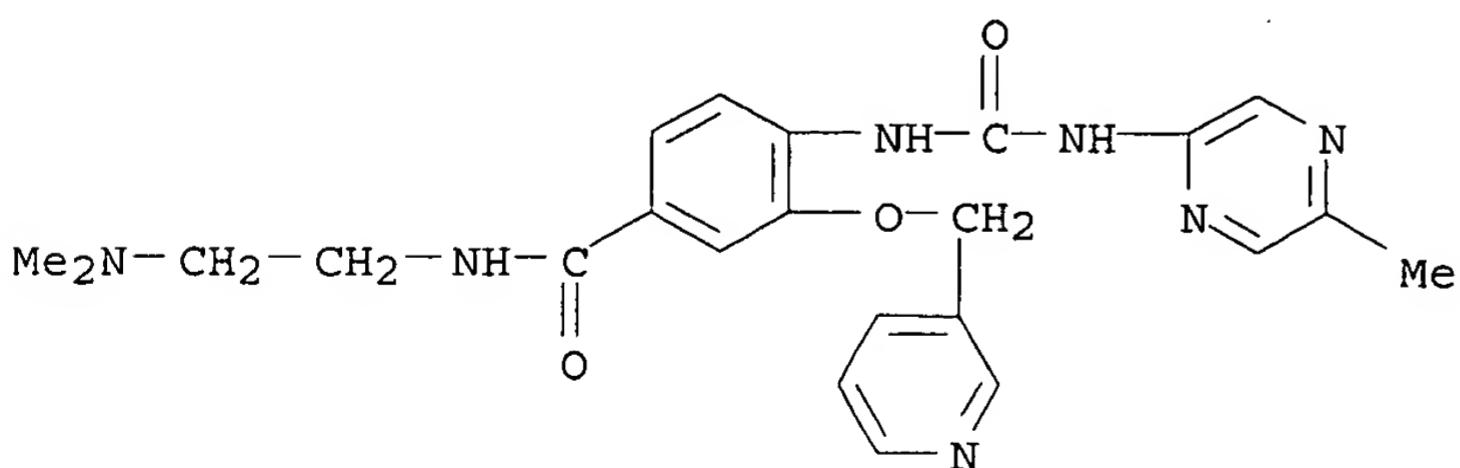
RN 457098-35-0 HCPLUS

CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



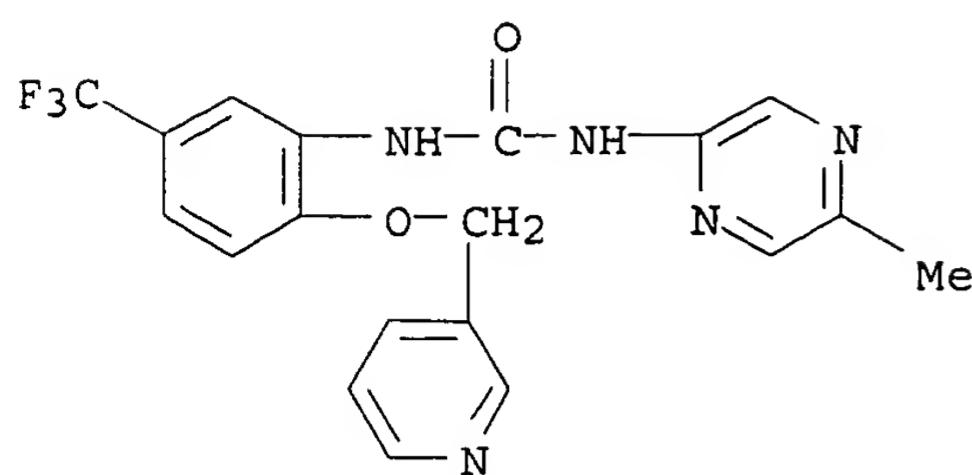
RN 457098-36-1 HCPLUS

CN Benzamide, N-[2-(dimethylamino)ethyl]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



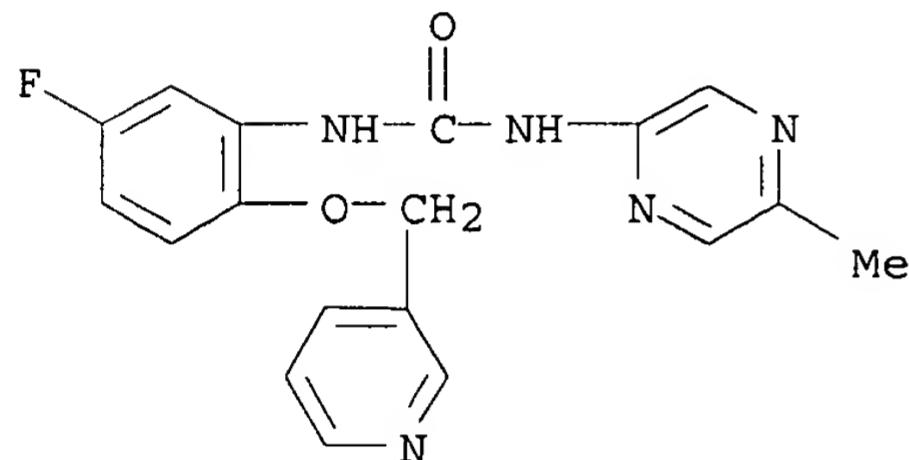
RN 457098-52-1 HCPLUS

CN Urea, N-(5-methylpyrazinyl)-N'-(2-(3-pyridinylmethoxy)-5-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



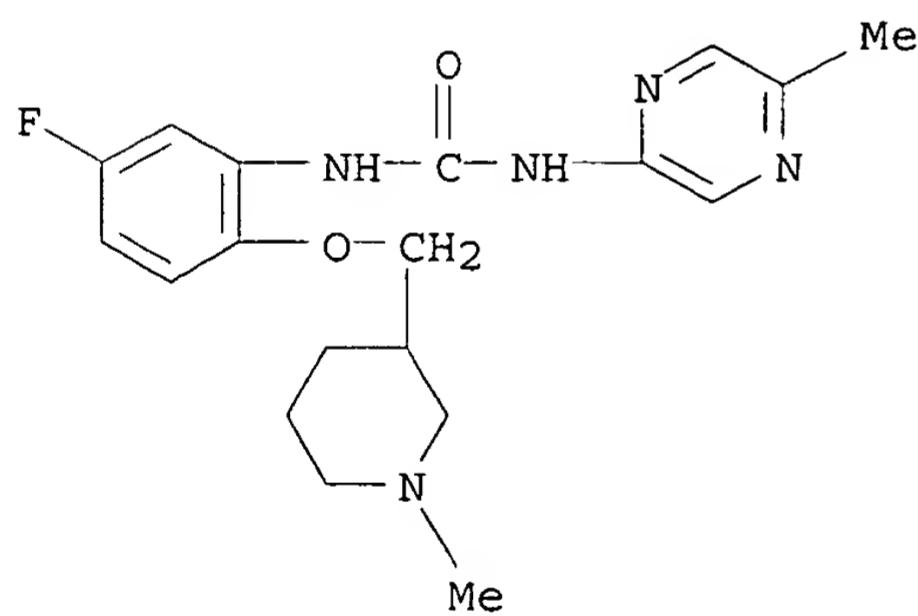
RN 457099-04-6 HCPLUS

CN Urea, N-[5-fluoro-2-(3-pyridinylmethoxy)phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



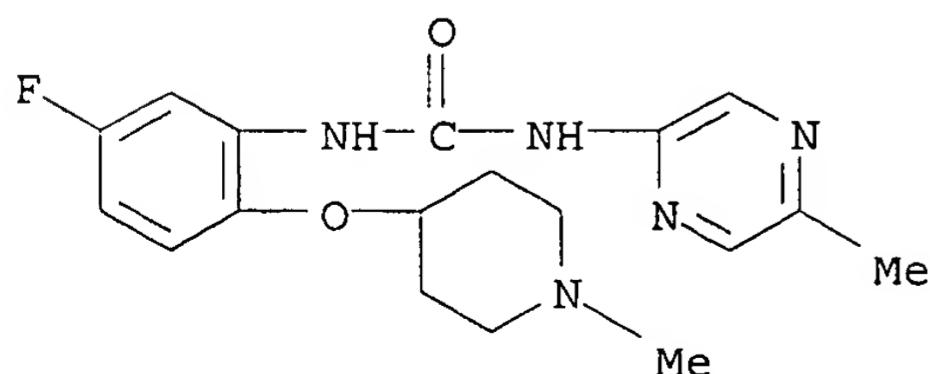
RN 457099-05-7 HCPLUS

CN Urea, N-[5-fluoro-2-[(1-methyl-3-piperidinyl)methoxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)

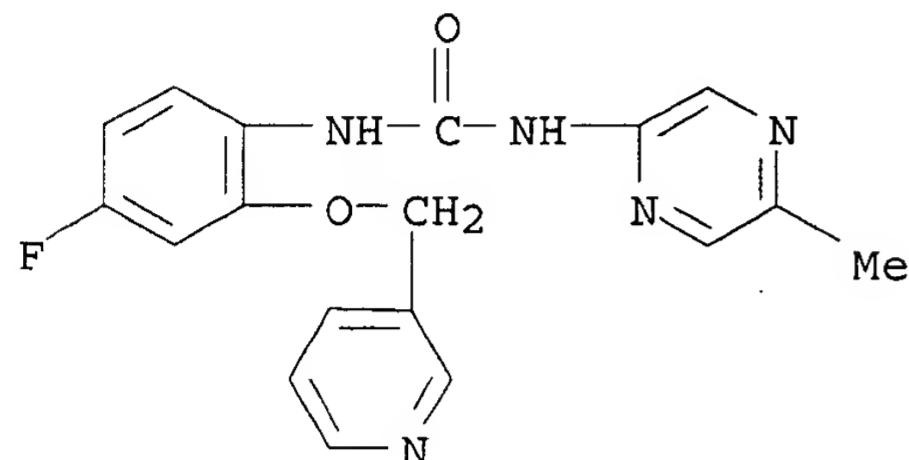


RN 457099-06-8 HCPLUS

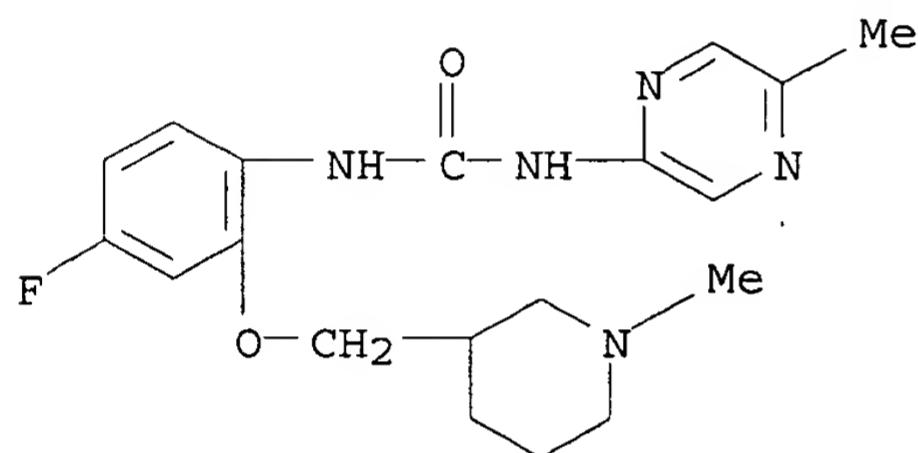
CN Urea, N-[5-fluoro-2-[(1-methyl-4-piperidinyl)oxy]phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



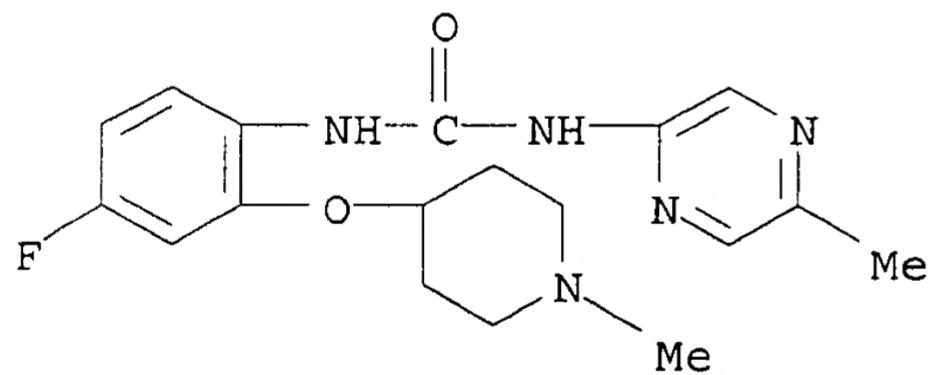
RN 457099-07-9 HCPLUS

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RN 457099-08-0 HCPLUS

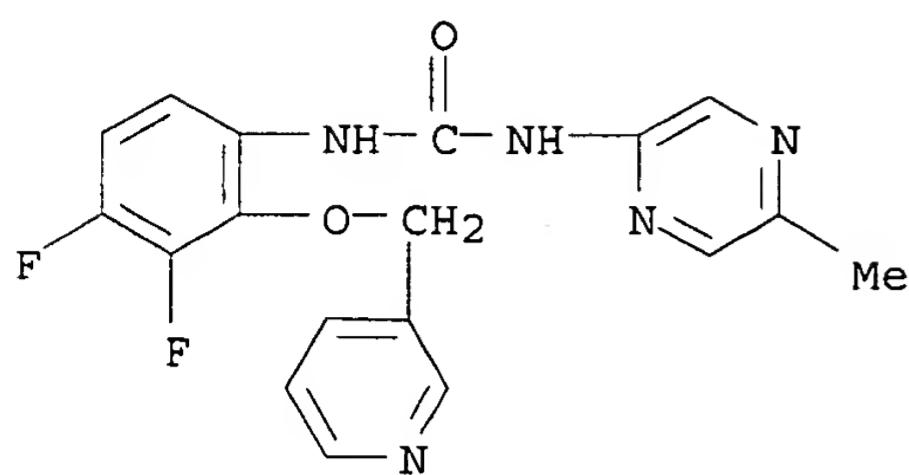
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RN 457099-09-1 HCPLUS

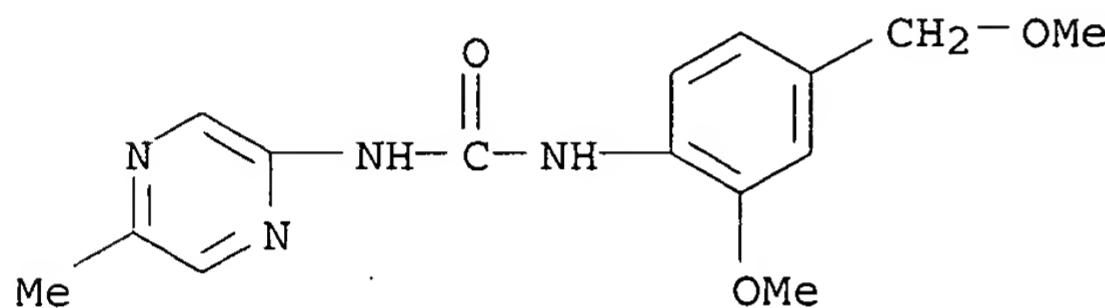
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methylpyrazinyl) - (9CI) (CA INDEX NAME)

RN 457099-10-4 HCPLUS

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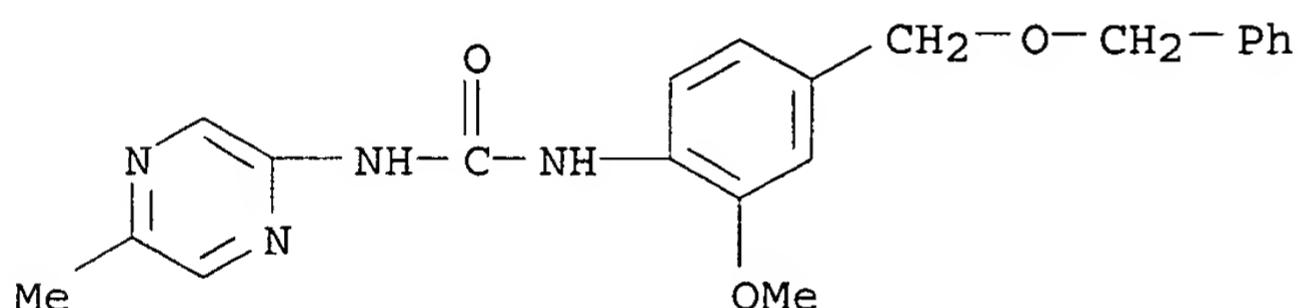


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(CA INDEX NAME)

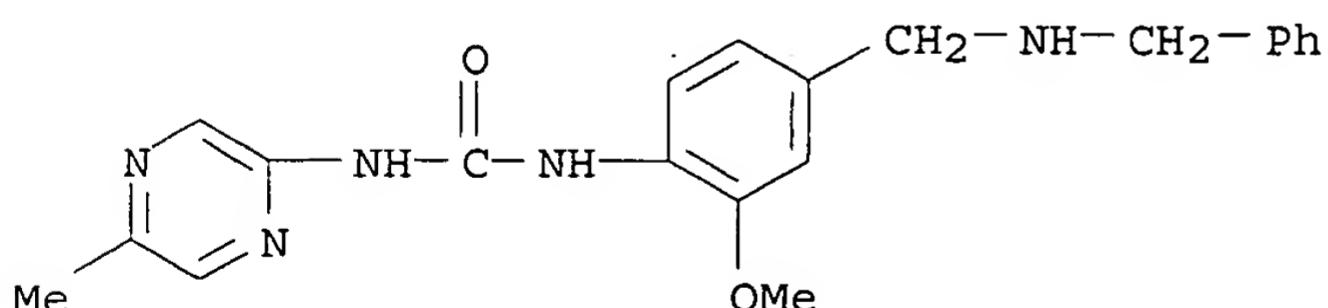
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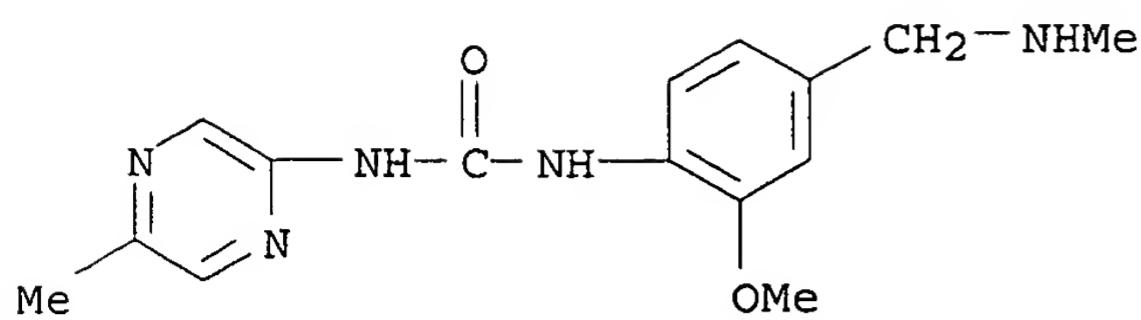
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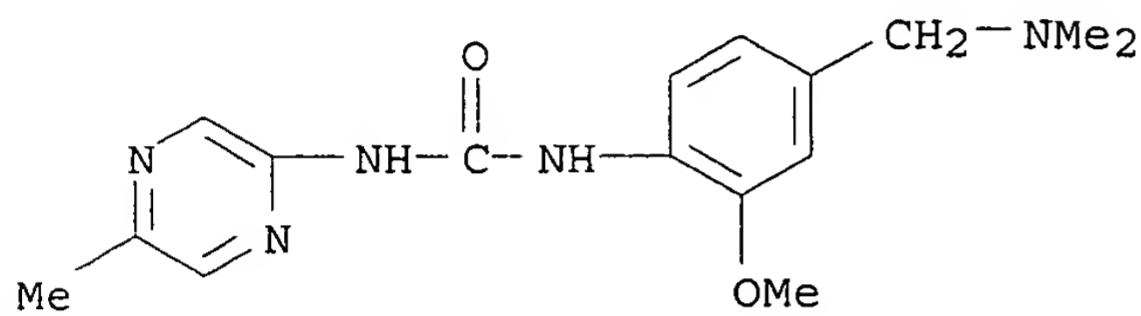


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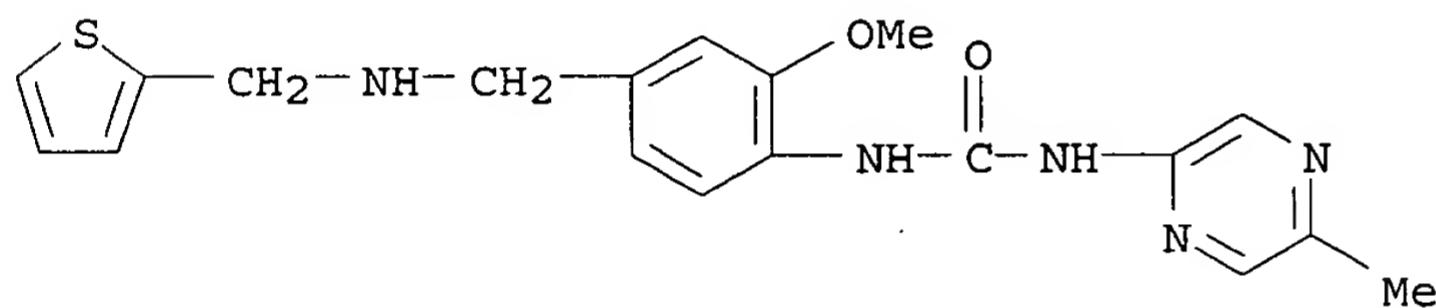
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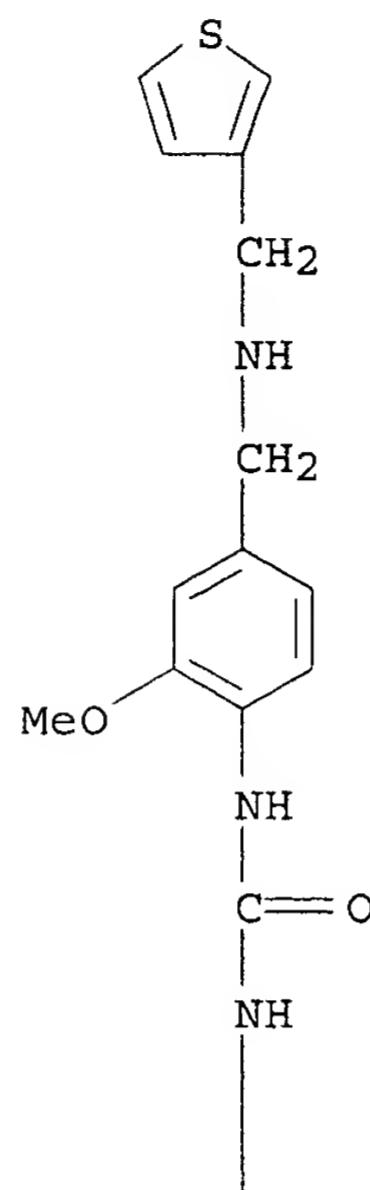


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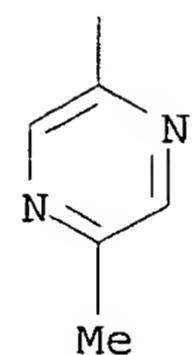


RN 457099-69-3 HCAPLUS  
 CN Urea, N- [2-methoxy-4- [ [(3-thienylmethyl)amino]methyl]phenyl] -N' - (5-  
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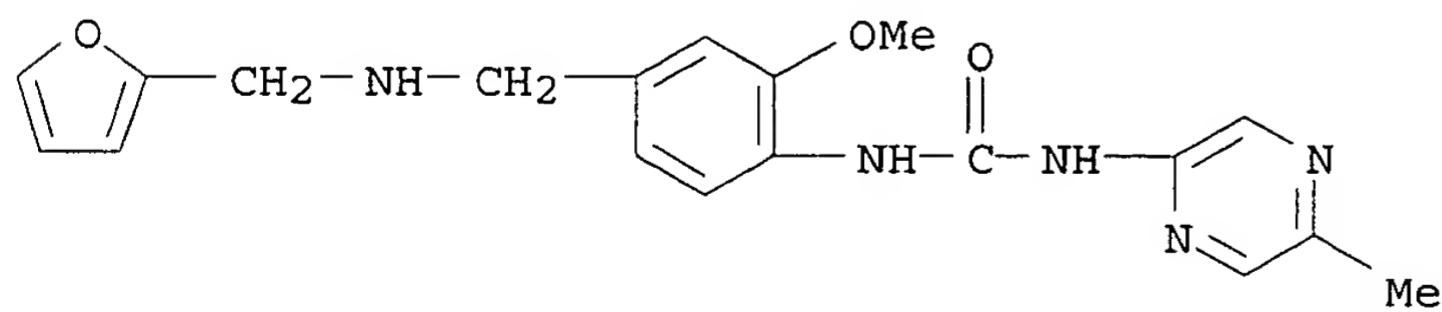


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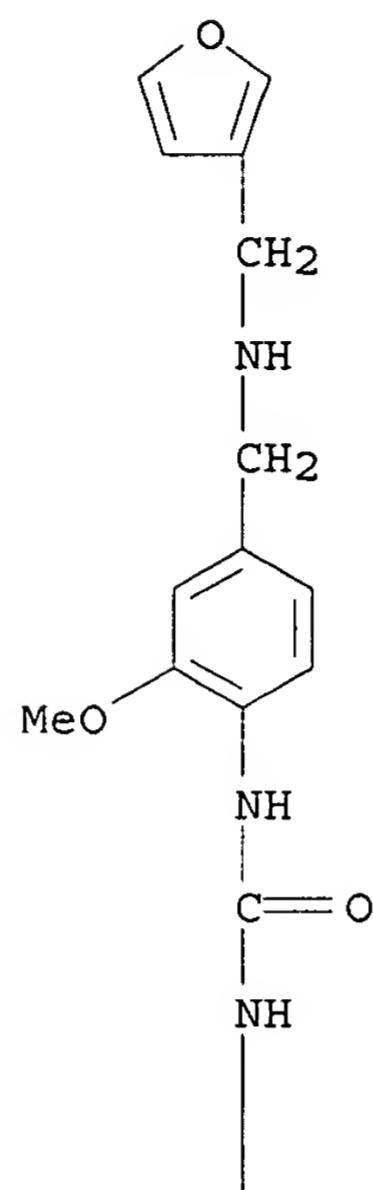
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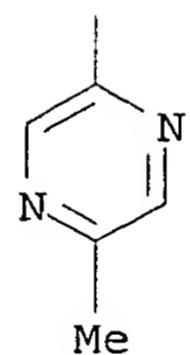
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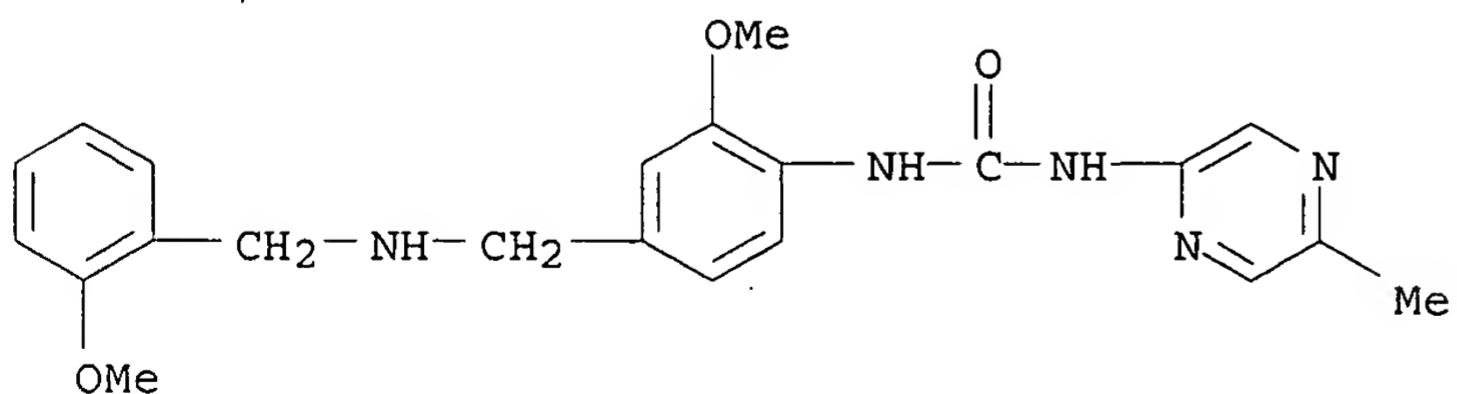


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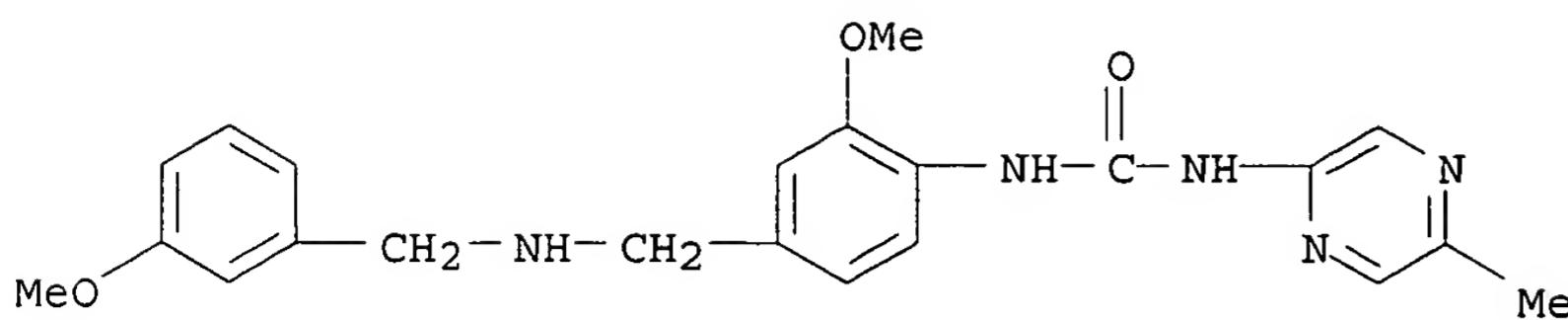
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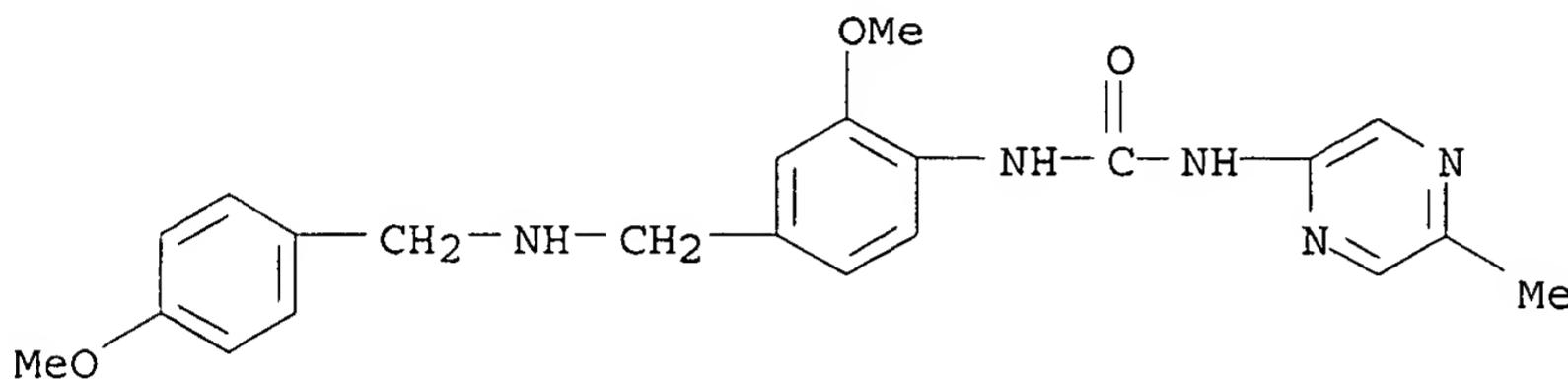
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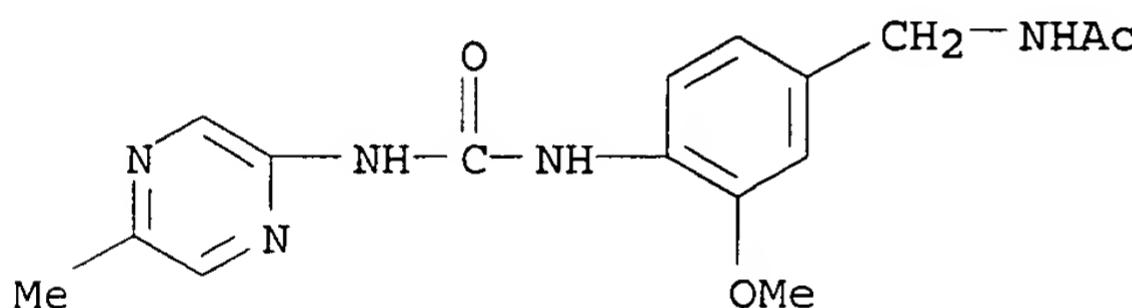
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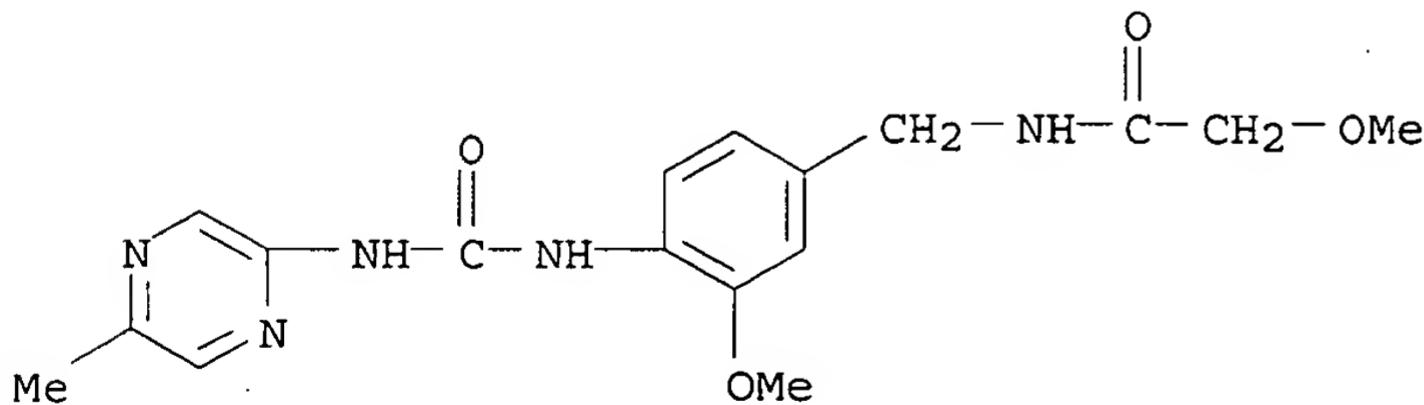
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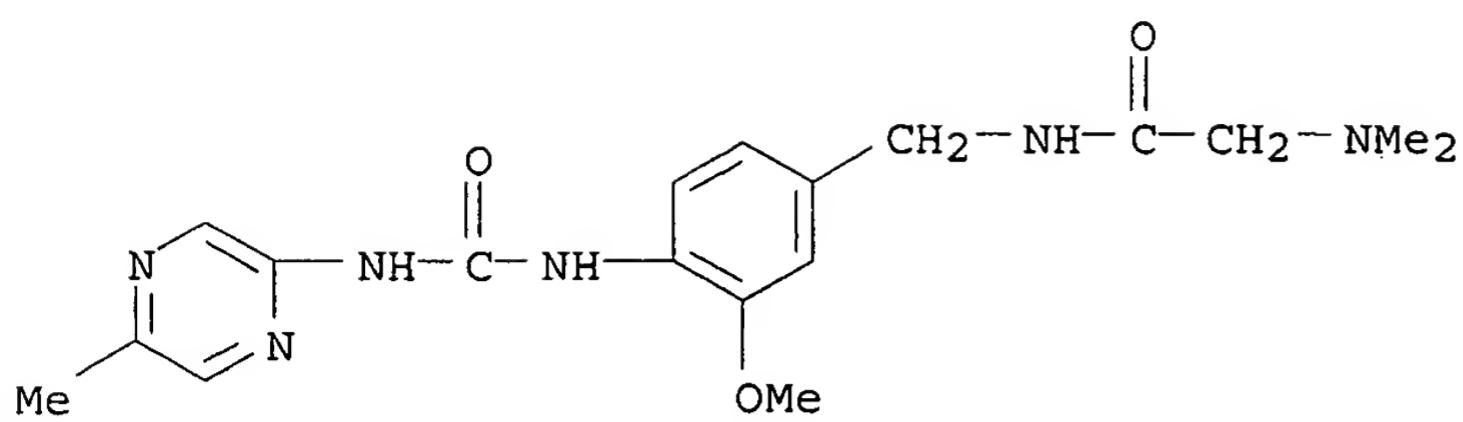
RN 457099-76-2 HCPLUS

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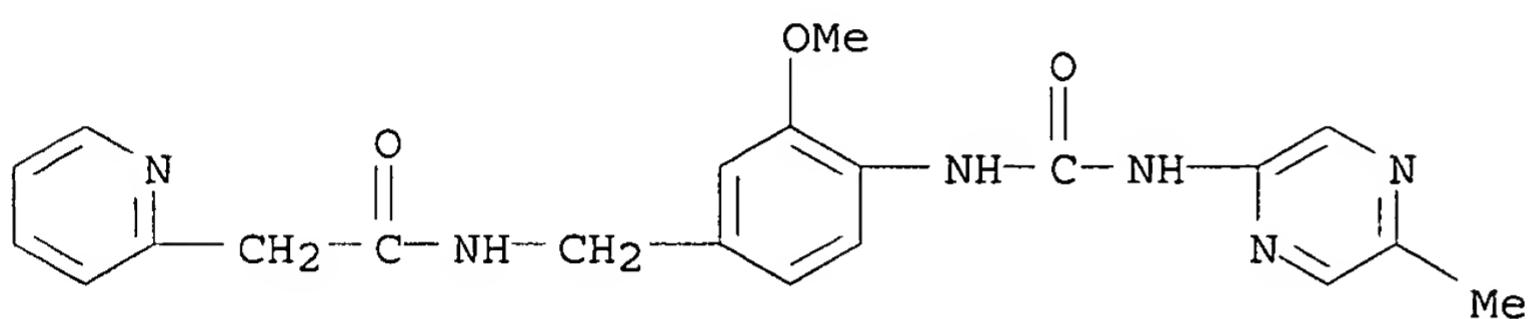


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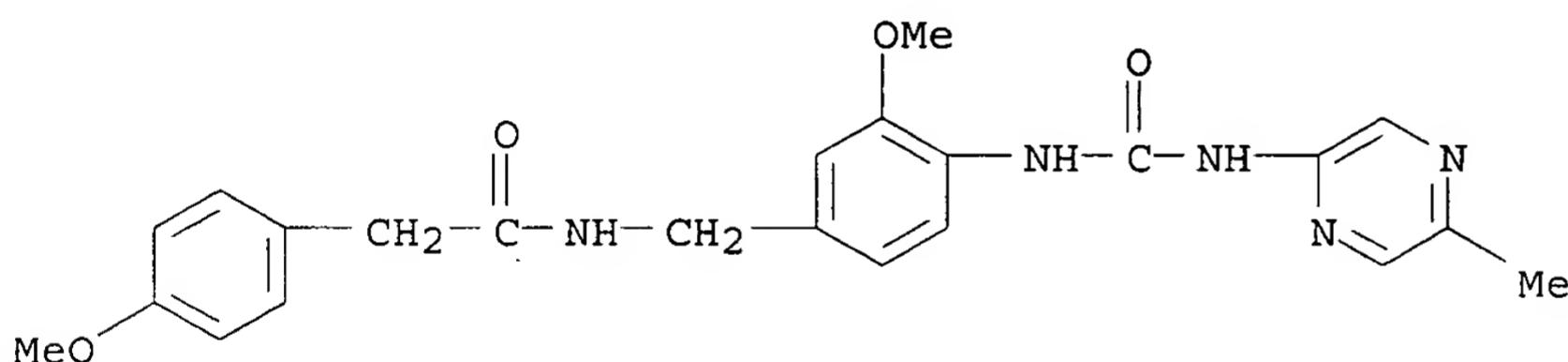
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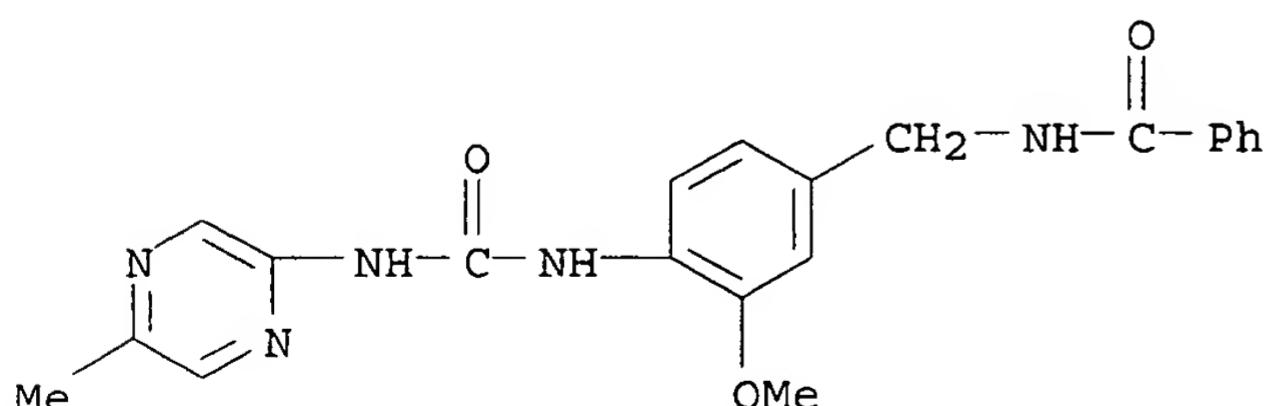
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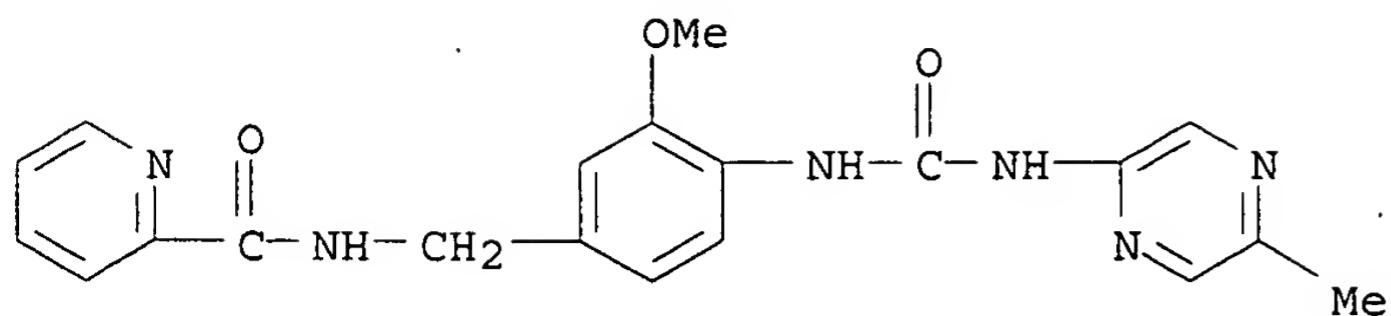
RN 457099-79-5 HCPLUS  
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RN 457099-80-8 HCPLUS  
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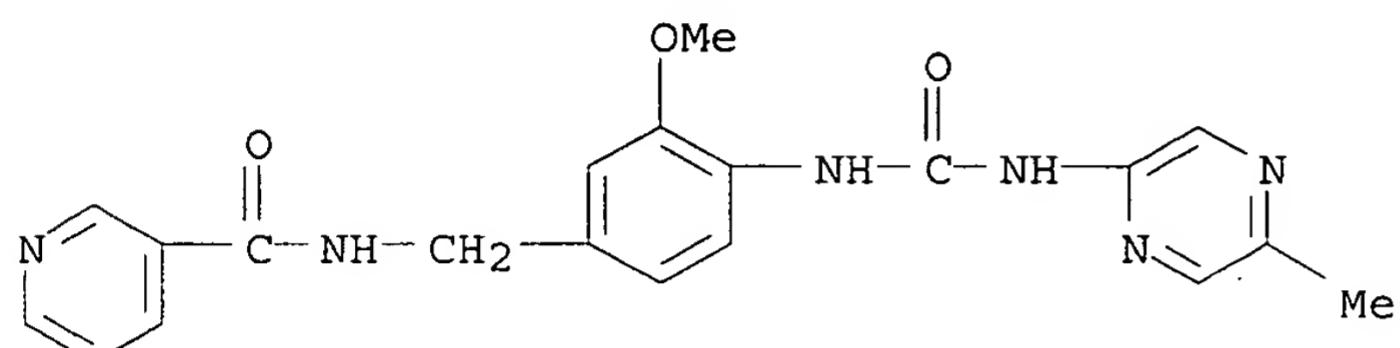


RN 457099-81-9 HCPLUS  
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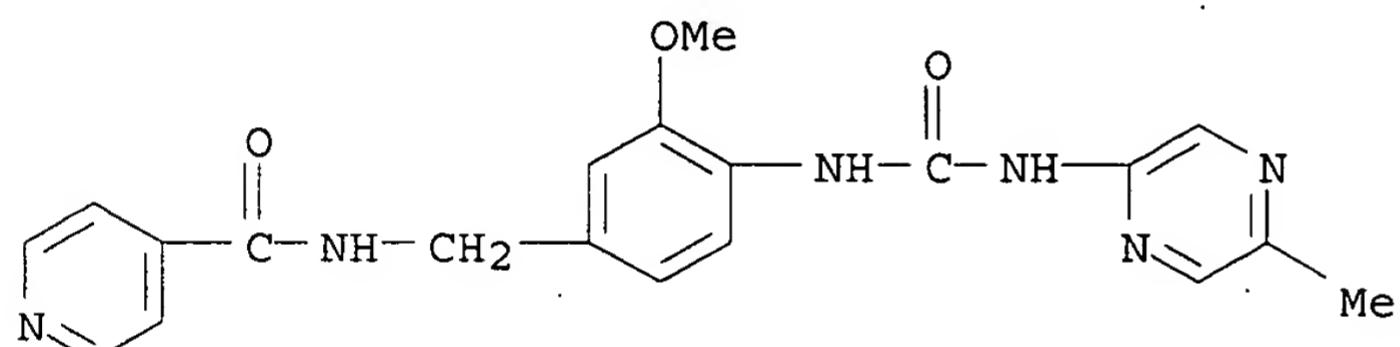
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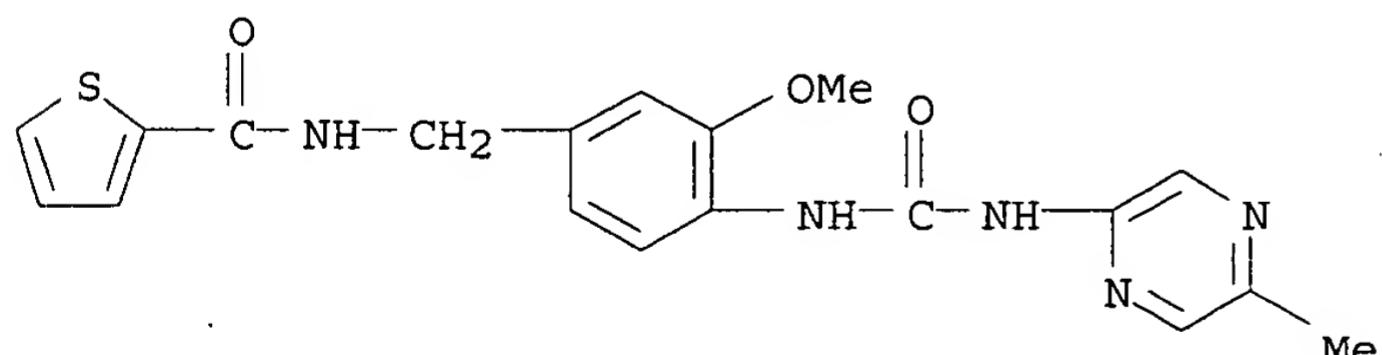
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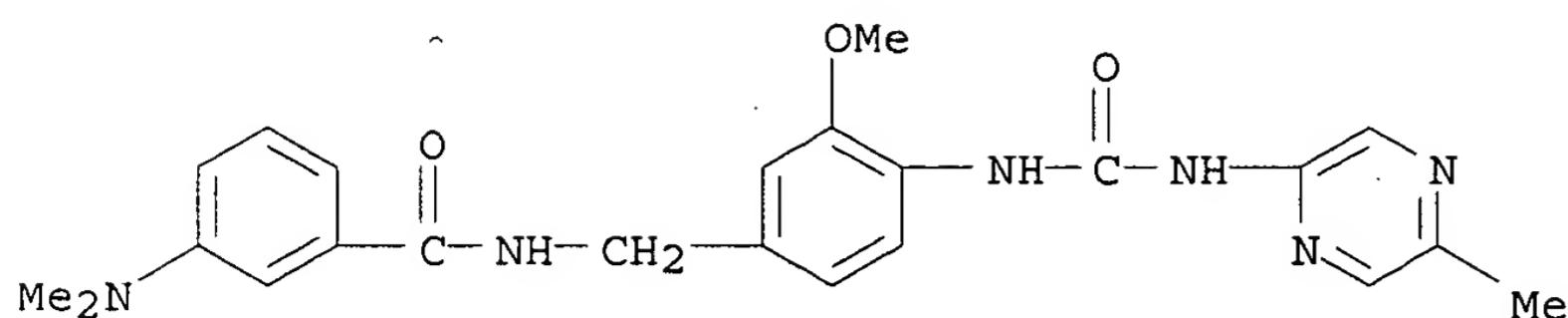
RN 457099-84-2 HCPLUS

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RN 457099-85-3 HCPLUS

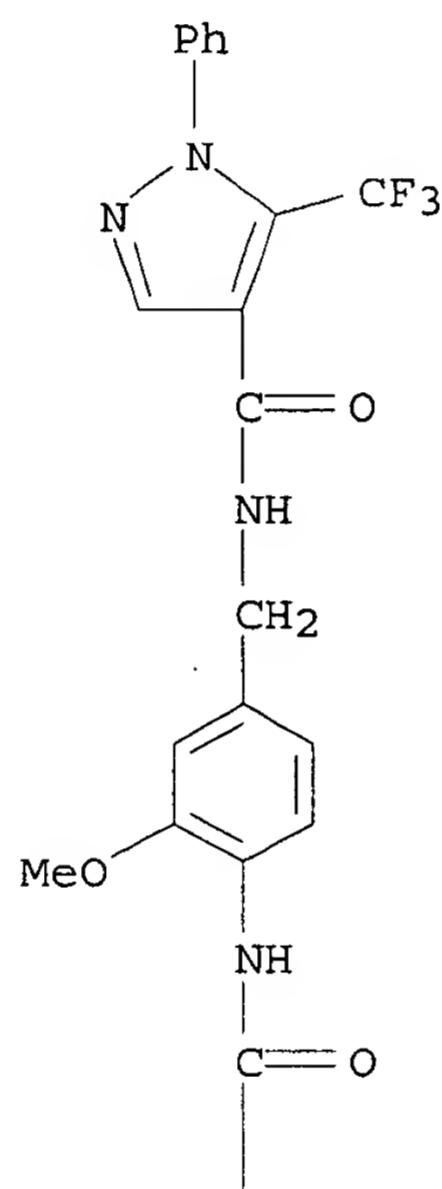
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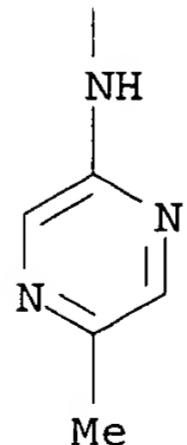
RN 457099-86-4 HCPLUS

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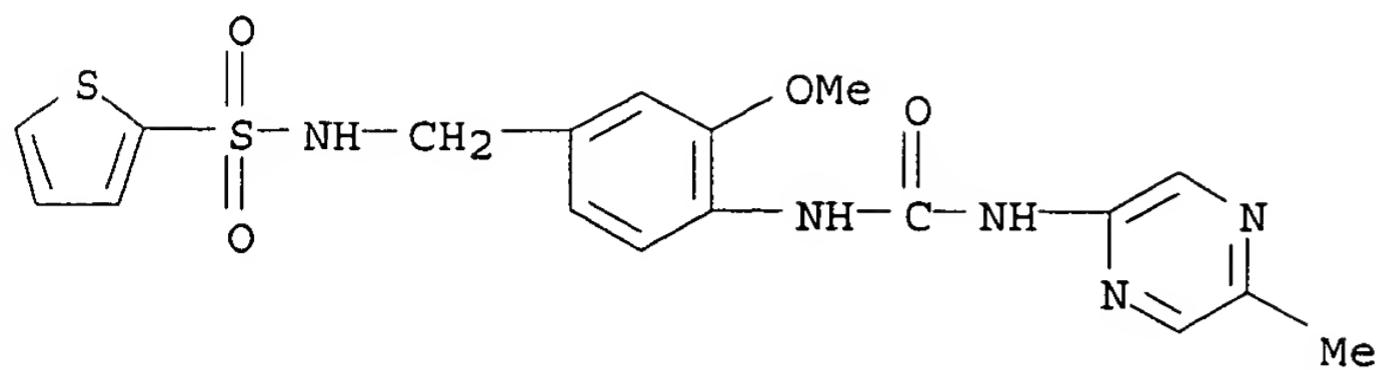
PAGE 2-A



RN 457099-87-5 HCPLUS

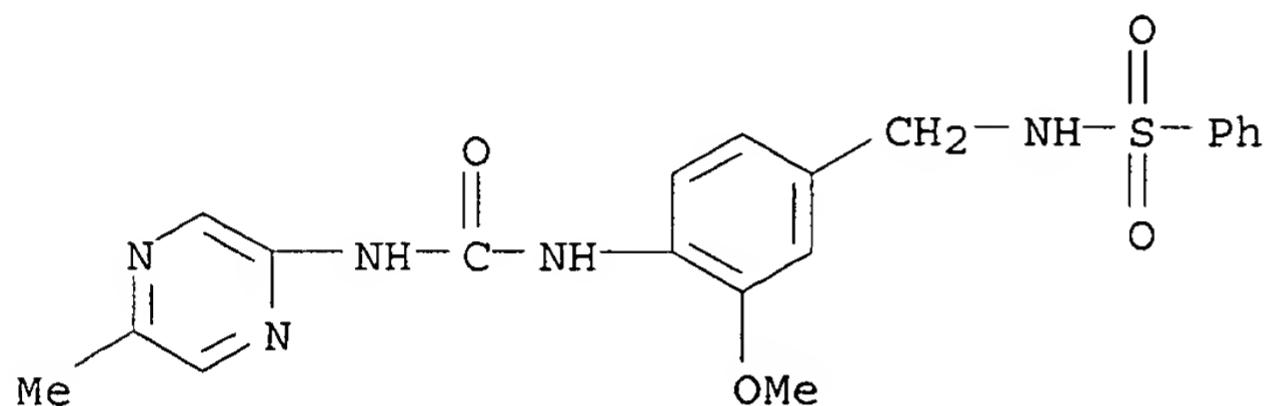
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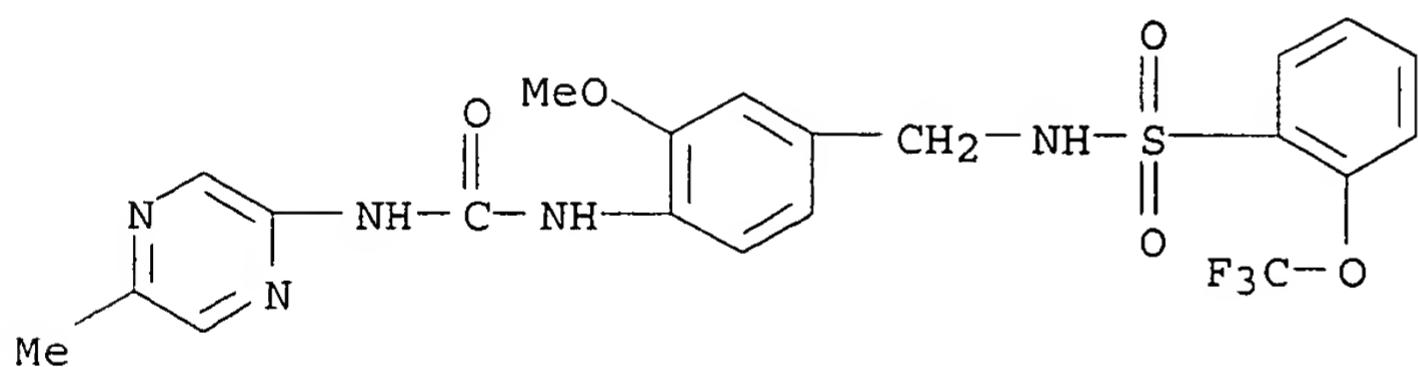
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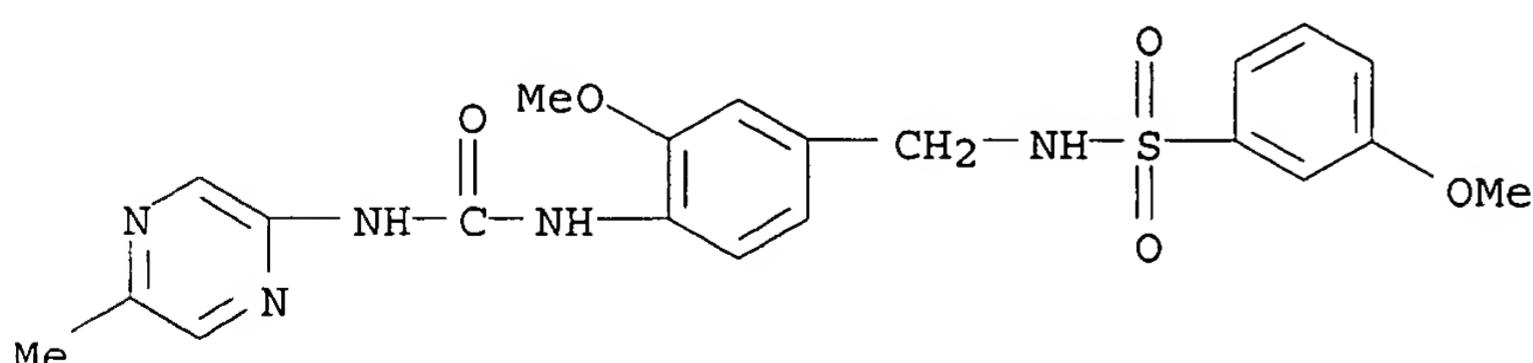
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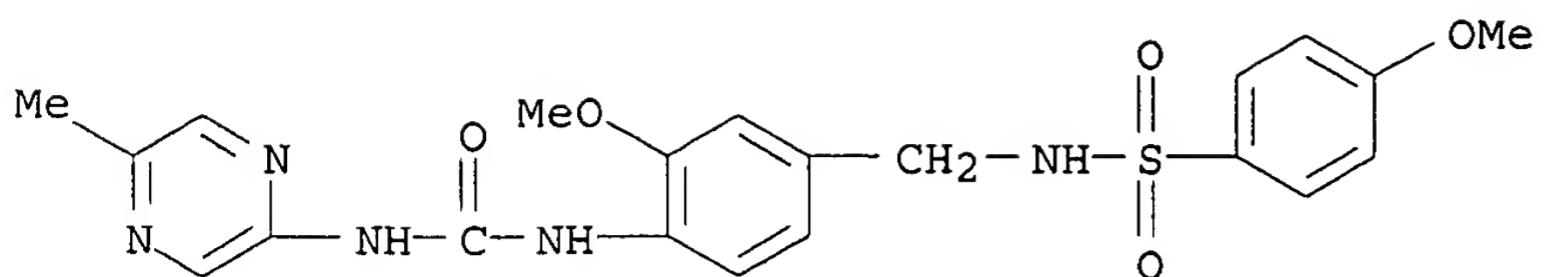
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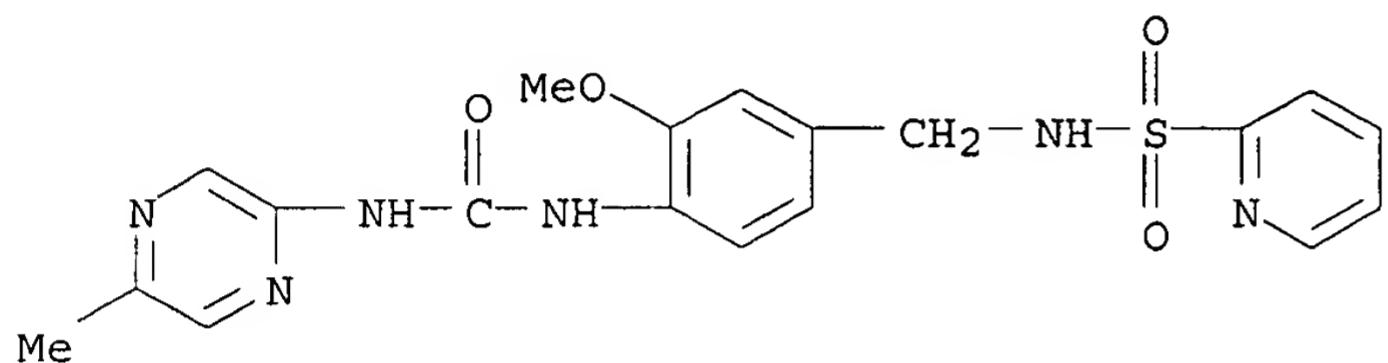
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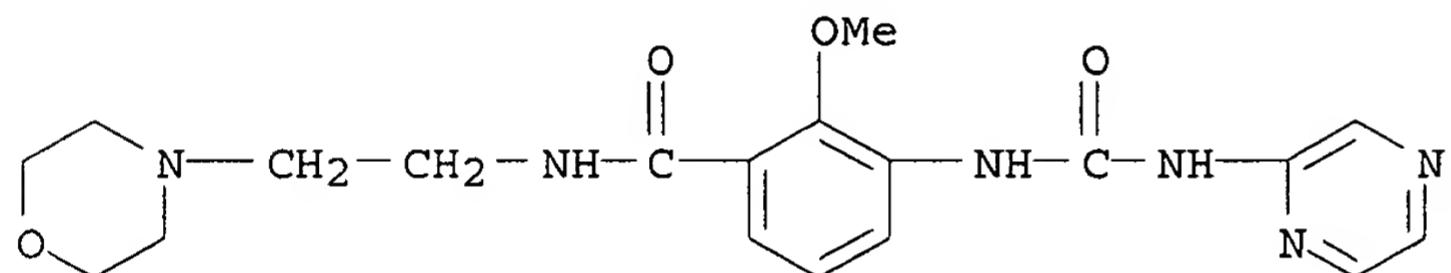
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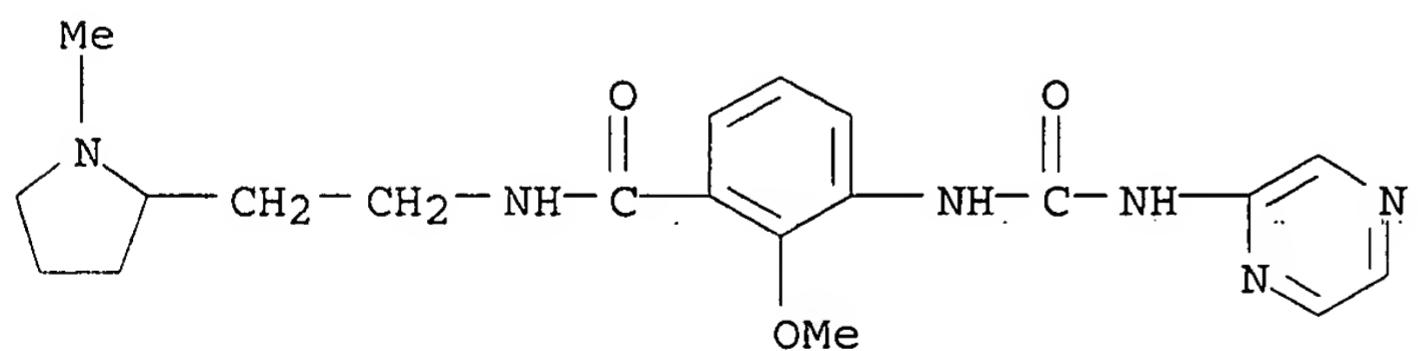
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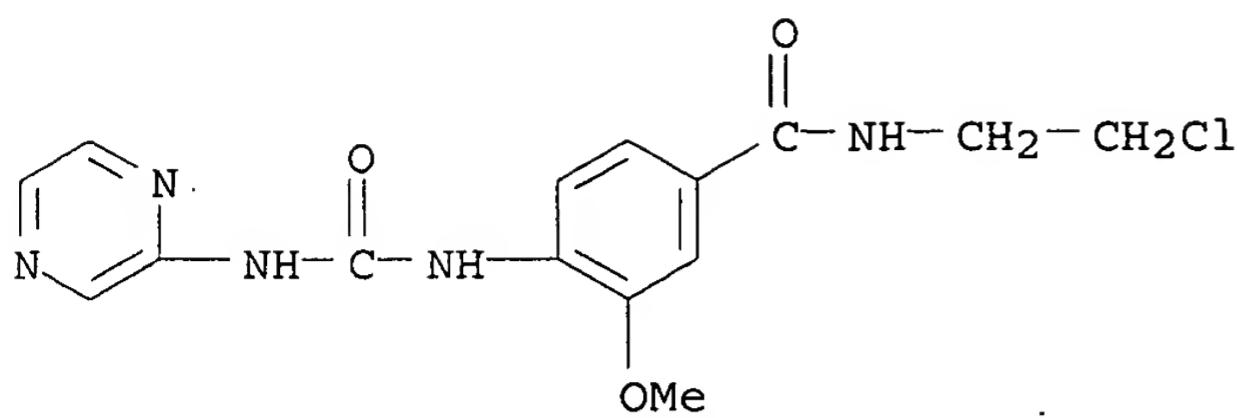
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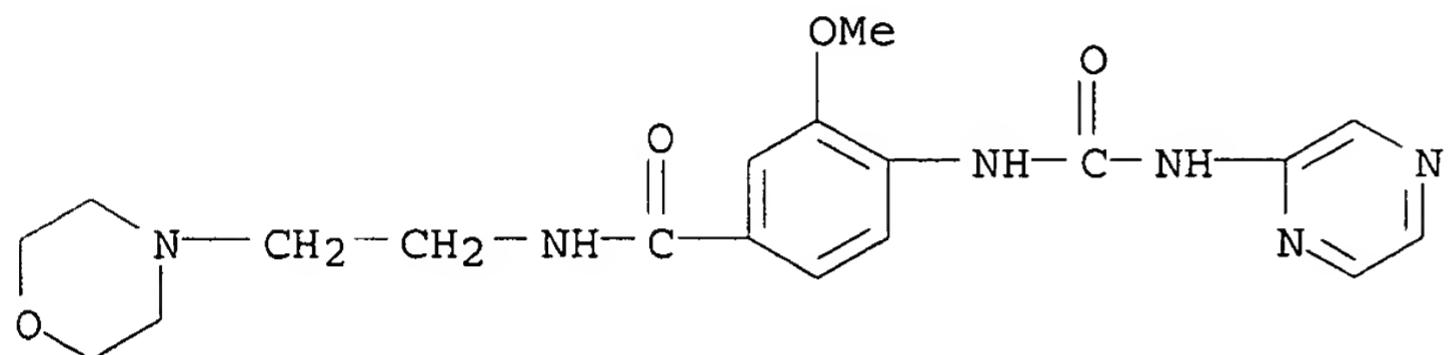
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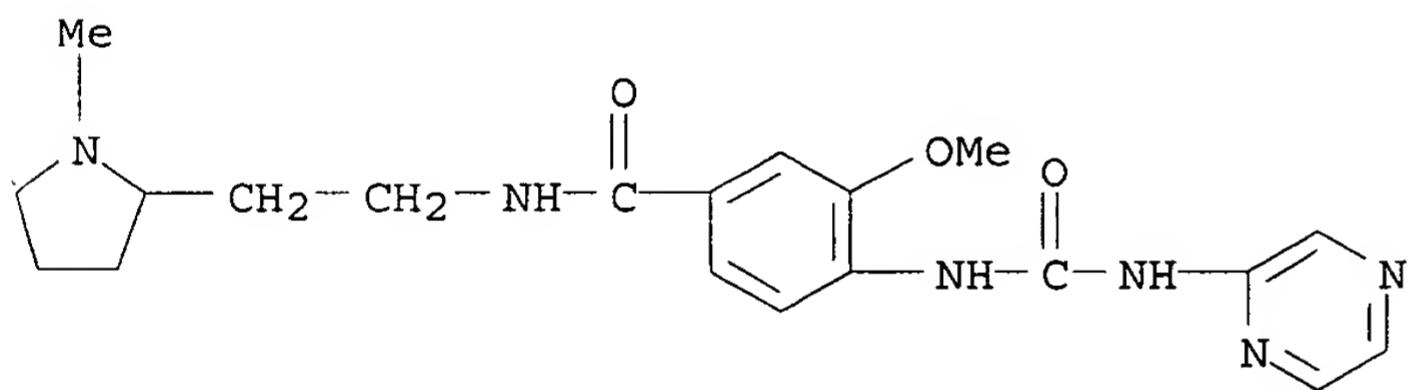
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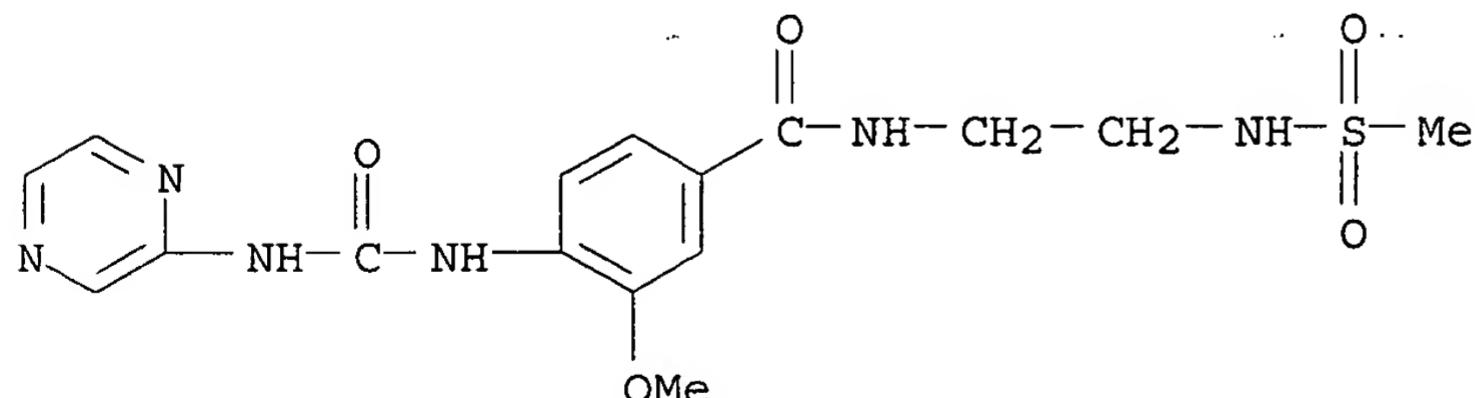
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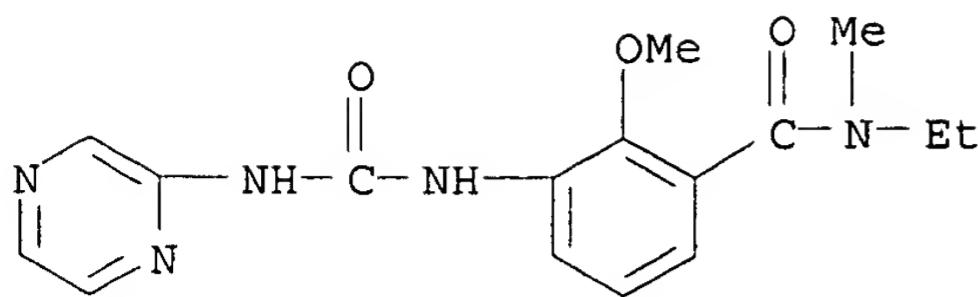
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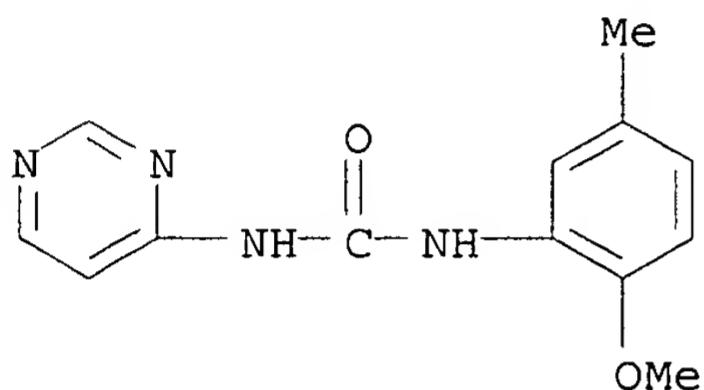
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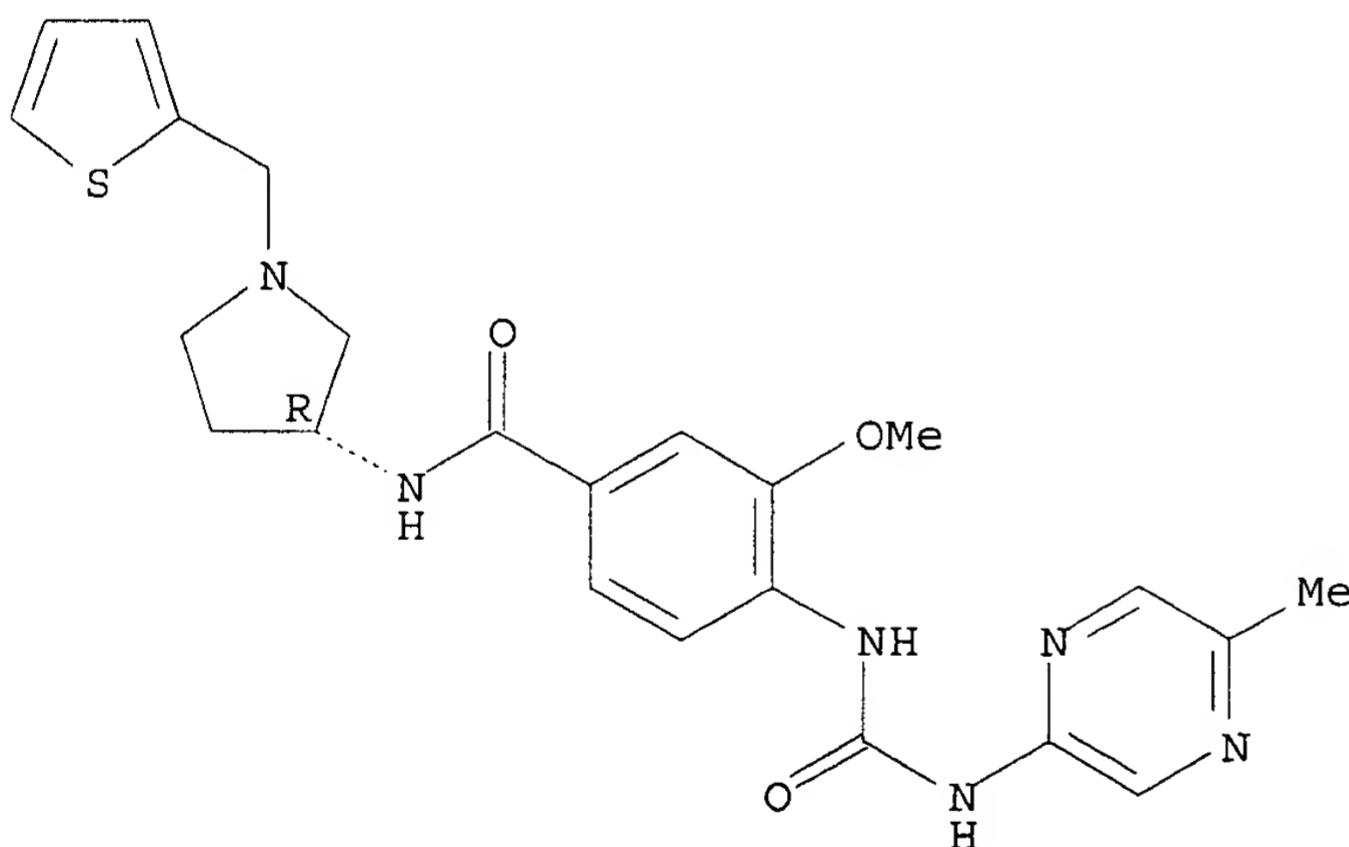
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RN 458523-51-8 HCPLUS

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Absolute stereochemistry.



REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 4 HCPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:762759 HCPLUS

DOCUMENT NUMBER: 135:298777

TITLE: Preparation of aminosulfonylpyridine phenylurea derivatives as interleukine-8 receptor antagonists  
Palovich, Michael R.; Widdowson, Katherine L.; Nie, Hong

INVENTOR(S): Palovich, Michael R.; Widdowson, Katherine L.; Nie, Hong

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001076530	A2	20011018	WO 2001-US11102	20010405
WO 2001076530	A3	20020228		
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AU 2001053172	A5	20011023	AU 2001-53172	20010405
PRIORITY APPLN. INFO.: US 2000-196022P P 20000407 WO 2001-US11102 W 20010405				

OTHER SOURCE(S): MARPAT 135:298777

AB This invention relates to novel compds. and compns. thereof useful in the treatment of disease states mediated by the chemokine, interleukin-8 (IL-8). To a soln. of 4-(aminosulfonyl)-3-chloro-3-hydroxy-6-aminopyridine (3.9 mmol) and 2-bromophenylisocyanate (4.6 mmol) in 5 mL of N,N-dimethylformamide was stirred at room temp. for 20 h. The mixt. was dild. with Et acetate and washed with water to give the crude material which was purified to obtain N-(6-(4-aminosulfonyl)-3-chloro-5-hydroxypyridine)-N'-(2-bromophenyl)urea (I). The IC50 of I in hamster ovary cells IL-8 receptors was <30 .mu.M.

IC ICM A61K

CC 1-7 (Pharmacology)

Section cross-reference(s): 27

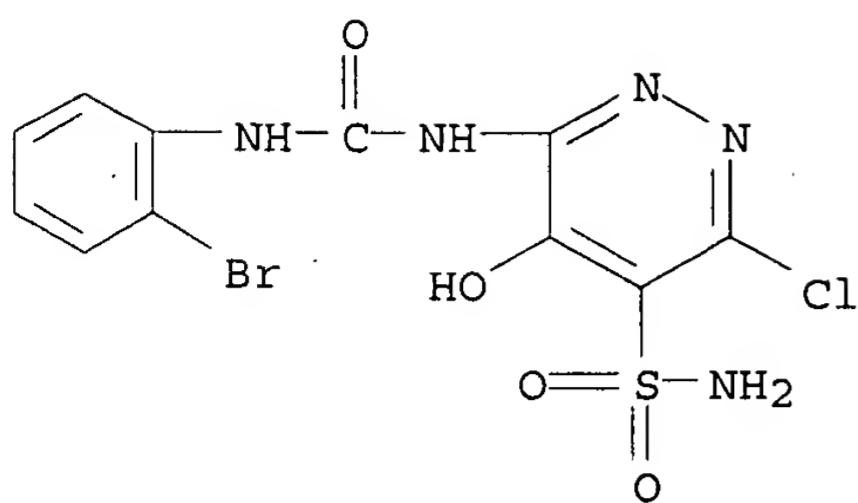
IT Neoplasm  
 (central nervous system; prepn. of aminosulfonylpyridine phenylurea derivs. as interleukine-8 receptor antagonists)

IT 367264-36-6P 367264-44-6P 367264-45-7P 367264-47-9P  
 367264-49-1P 367264-51-5P 367264-53-7P 367264-55-9P  
 367264-57-1P 367264-59-3P 367264-61-7P 367264-62-8P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (prepn. of aminosulfonylpyridine phenylurea derivs. as interleukine-8 receptor antagonists)

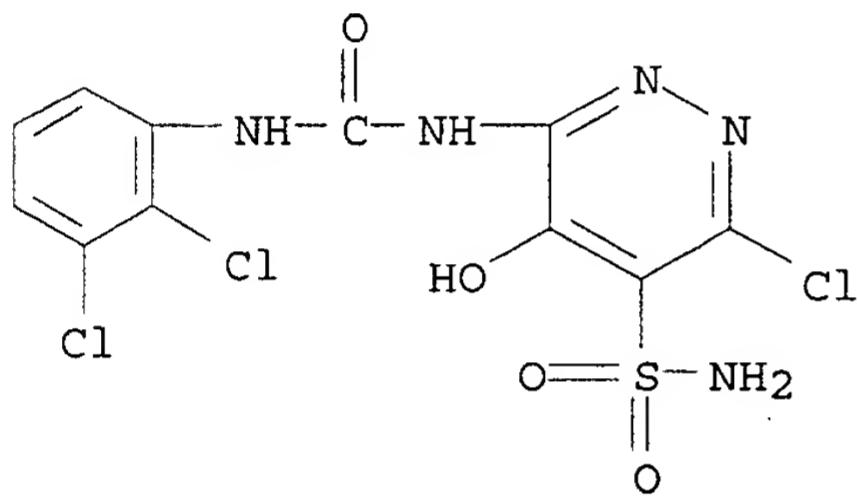
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 (prepn. of aminosulfonylpyridine phenylurea derivs. as interleukine-8 receptor antagonists)

RN 367264-49-1 HCPLUS

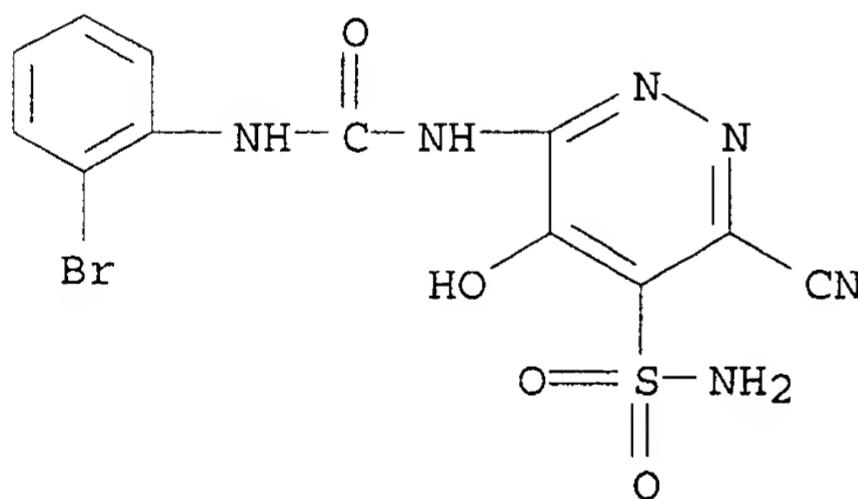
CN 4-Pyridazinesulfonamide, 6-[[[(2-bromophenyl)amino]carbonyl]amino]-3-chloro-5-hydroxy- (9CI) (CA INDEX NAME)



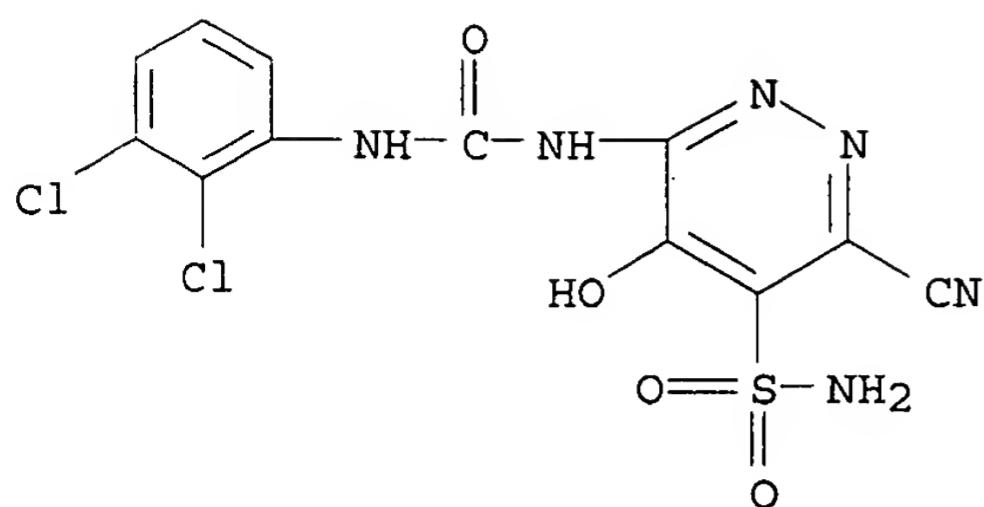
RN 367264-51-5 HCAPLUS  
 CN 4-Pyridazinesulfonamide, 3-chloro-6-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-5-hydroxy- (9CI) (CA INDEX NAME)



RN 367264-61-7 HCAPLUS  
 CN 4-Pyridazinesulfonamide, 6-[[[(2-bromophenyl)amino]carbonyl]amino]-3-cyano-5-hydroxy- (9CI) (CA INDEX NAME)



RN 367264-62-8 HCAPLUS  
 CN 4-Pyridazinesulfonamide, 3-cyano-6-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-5-hydroxy- (9CI) (CA INDEX NAME)



L18 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:545724 HCAPLUS  
 DOCUMENT NUMBER: 135:147398  
 TITLE: Peptidomimetic modulators of cell adhesion  
 INVENTOR(S): Gour, Barbara J.; Blaschuk, Orest W.; Ali, Anmar; Ni, Feng; Chen, Zhigang; Michaud, Stephanie Denise; Wang, Shoameng; Hu, Zengjian  
 PATENT ASSIGNEE(S): Adherex Technologies, Inc., Can.  
 SOURCE: PCT Int. Appl., 416 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053331	A2	20010726	WO 2001-US2508	20010124
WO 2001053331	A3	20020711		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2000-491078 A 20000124

OTHER SOURCE(S): MARPAT 135:147398

AB Peptidomimetics of cyclic peptides, and compns. comprising such peptidomimetics are provided. The peptidomimetics have a three-dimensional structure that is substantially similar to a three-dimensional structure of a cyclic peptide that comprises a cadherin cell adhesion recognition sequence HAV. Methods for using such peptidomimetics for modulating cadherin-mediated cell adhesion in a variety of contexts are also provided.

IC ICM C07K007-00

CC 1-3 (Pharmacology)

Section cross-reference(s): 34, 63

IT Neoplasm

Skin

(drug delivery to; peptidomimetic modulators of cell adhesion)

IT Ovary, neoplasm

(inhibitors; peptidomimetic modulators of cell adhesion)

IT Bladder

(neoplasm, inhibitors; peptidomimetic modulators of cell adhesion)  
 IT Bladder  
 (neoplasm; peptidomimetic modulators of cell adhesion)  
 IT Antitumor agents  
 Bioreactors  
 Bond angle  
 Cell migration  
 Combinatorial library  
 Drug delivery systems  
 Drug screening  
 Drug targeting  
 Electrostatic charge  
 Epithelium  
 Hydrophobicity  
 Melanoma  
 Membrane, biological  
 Microparticles  
 Molecular modeling  
 Multiple sclerosis  
 Oligodendrocyte  
 Ovary, neoplasm  
 Peptidomimetics  
 Protein sequences  
 QSAR (structure-activity relationship)  
 Schwann cell  
 Steric effects  
 Transplant and Transplantation  
 Transplant and Transplantation  
 Ultrathin films  
 Wound healing  
 Wound healing promoters  
 (peptidomimetic modulators of cell adhesion)  
 IT 351857-73-3 351857-74-4 351857-75-5 351857-76-6 351857-77-7  
 351857-78-8 351857-79-9 351857-80-2 351857-81-3D, derivs.  
 351857-82-4 351857-83-5 351857-84-6 **351857-85-7**  
 351857-86-8 351857-87-9 351857-88-0D, glycoside deriv. 351857-89-1  
 351857-90-4 351857-91-5 351857-92-6 351857-93-7 351857-94-8  
 351857-95-9 351857-96-0 351857-97-1 351857-98-2 351857-99-3  
 351858-00-9D, glucuronic acid derivs. 351858-01-0 351858-02-1  
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 351859-21-7  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(peptidomimetic modulators of cell adhesion)

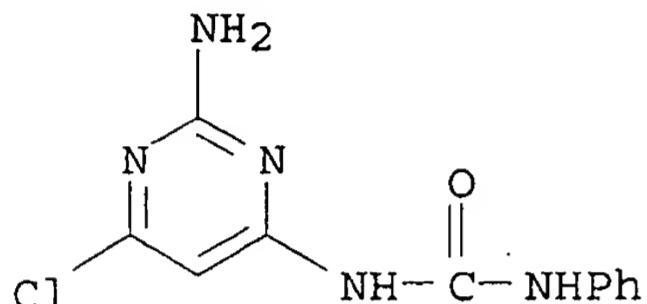
IT 351857-85-7

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(peptidomimetic modulators of cell adhesion)

RN 351857-85-7 HCAPLUS

CN Urea, N-(2-amino-6-chloro-4-pyrimidinyl)-N'-phenyl- (9CI) (CA INDEX NAME)



L18 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:425740 HCAPLUS

DOCUMENT NUMBER: 131:73648

TITLE: Inhibition of raf kinase using substituted heterocyclic ureas

INVENTOR(S): Dumas, Jacques; Khire, Uday; Lowinger, Timothy Bruno; Paulsen, Holger; Riedl, Bernd; Scott, William J.; Smith, Roger A.; Wood, Jill E.; Hatoum-Mokdad, Holia; Johnson, Jeffrey; Lee, Wendy; Redman, Aniko

PATENT ASSIGNEE(S): Bayer Corporation, USA

SOURCE: PCT Int. Appl., 163 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

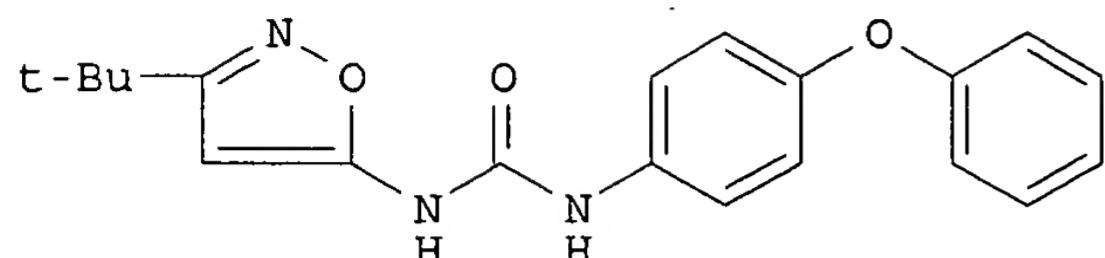
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9932106	A1	19990701	WO 1998-US26078	19981222
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2315717	AA	19990701	CA 1998-2315717	19981222
AU 9921989	A1	19990712	AU 1999-21989	19981222
EP 1047418	A1	20001102	EP 1998-965981	19981222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001526220	T2	20011218	JP 2000-525097	19981222
BR 9814374	A	20020514	BR 1998-14374	19981222
NO 2000003232	A	20000821	NO 2000-3232	20000621
PRIORITY APPLN. INFO.:			US 1997-996343	A 19971222

OTHER SOURCE(S) :

MARPAT 131:73648

GI



II

AB A method for treatment of cancerous cell growth mediated by raf kinase comprises administration of urea derivs. ANHCONHB [I; A = substituted isoxazolyl, thienyl, thiadiazolyl, furyl, pyrazolyl, etc.; B = (substituted) mono-, di-, or tricyclic aryl, heteroaryl contg. 5-6 membered arom. structure contg. 0-4 N, O, or S atoms]. Reaction of 4-phenyloxyphenyl isocyanate with 5-amino-3-tert-butylisoxazole in methylene chloride and heating at reflux temp. for 2 days gave title compd. II. In an in vitro raf kinase assay, I displayed IC<sub>50</sub> values of 1-10  $\mu$ M.

IC ICM A61K031-34  
 ICS A61K031-38; A61K031-41; A61K031-415; A61K031-42; A61K031-425; A61K031-44; A61K031-47; C07D215-20; C07D231-40; C07D261-14; C07D257-06; C07D263-48; C07D271-113; C07D277-28; C07D285-135; C07D307-66; C07D333-36; C07D401-10; C07D401-12

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))  
 Section cross-reference(s) : 1, 7

IT Phosphoproteins  
 RL: BPR (Biological process); BSU (Biological study, unclassified); MSC (Miscellaneous); BIOL (Biological study); PROC (Process)  
 (gene c-raf; prepn. of substituted heterocyclic ureas for treatment of cancerous cell growth mediated by raf kinase)

IT Antitumor agents  
 (prepn. of substituted heterocyclic ureas for treatment of cancerous cell growth mediated by raf kinase)

IT 229003-12-7P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (intermediate; prepn. of substituted heterocyclic ureas for treatment of cancerous cell growth mediated by raf kinase)

IT 3619-17-8P 4302-24-3P, 3-Chloro-4,4-dimethylpent-2-enal 6337-24-2P  
 13472-85-0P 18994-90-6P 27692-74-6P 28232-34-0P 28232-52-2P  
 29212-25-7P, 5-tert-Butyl-2-thiophenecarboxylic acid 31465-36-8P  
 32361-76-5P 36089-89-1P 38895-88-4P 51834-97-0P 55809-53-5P,  
 5-tert-Butyl-3-isoxazolyl isocyanate 62248-47-9P 62248-51-5P  
 63806-67-7P, 5-Methyl-2-(azidocarbonyl)thiophene 64064-63-7P  
 65283-97-8P 70991-08-1P 75782-77-3P 88786-11-2P 92575-23-0P  
 116289-71-5P 135680-03-4P 178809-75-1P 216574-46-8P 216574-47-9P  
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 228401-43-2P 228401-44-3P 229003-11-6P 229003-13-8P 229003-14-9P  
 229003-15-0P 229003-16-1P 229003-17-2P 229003-18-3P 229003-19-4P,  
 Methyl 5-tert-butyl-2-thiophenecarboxylate  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

	(intermediate; prepn. of substituted heterocyclic ureas for treatment of <b>cancerous</b> cell growth mediated by raf kinase)				
IT	228998-95-6P	228999-08-4P	228999-28-8P	228999-64-2P	229002-05-5P
	229002-65-7P				
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)					
	(prepn. of substituted heterocyclic ureas for treatment of <b>cancerous</b> cell growth mediated by raf kinase)				
IT	227623-30-5P	228998-90-1P	228998-91-2P	228998-92-3P	228998-93-4P
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RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)					

(prepn. of substituted heterocyclic ureas for treatment of  
cancerous cell growth mediated by raf kinase)

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	229003-03-6P	229003-04-7P	229003-05-8P	229003-06-9P	229003-07-0P
	229003-08-1P	229003-09-2P	229003-10-5P	229003-26-3P	229030-09-5P
	229176-71-0P				

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of substituted heterocyclic ureas for treatment of  
cancerous cell growth mediated by raf kinase)

IT 144378-33-6, Raf kinase

RL: BPR (Biological process); BSU (Biological study, unclassified); MSC (Miscellaneous); BIOL (Biological study); PROC (Process)

(prepn. of substituted heterocyclic ureas for treatment of  
cancerous cell growth mediated by raf kinase)

IT 75-26-3, 2-Bromopropane 75-97-8, Pinacolone 88-09-5, 2-Ethylbutyric acid 100-11-8, 4-Nitrobenzyl bromide 100-15-2, N-Methyl-4-nitroaniline 101-77-9 102-36-3, 3,4-Dichlorophenyl isocyanate 106-44-5, reactions 109-00-2, 3-Hydroxypyridine 123-30-8, 4-Aminophenol 150-76-5, 4-Methoxyphenol 153-78-6, 2-Aminofluorene 288-32-4, Imidazole, reactions 350-46-9, 1-Fluoro-4-nitrobenzene 353-07-1 400-74-8, 2-Fluoro-5-nitrobenzotrifluoride 542-69-8, 1-Iodobutane 547-63-7, Methyl isobutyrate 585-79-5, 1-Bromo-3-nitrobenzene 620-95-1, 3-Benzylpyridine 624-28-2, 2,5-Dibromopyridine 626-61-9, 4-Chloropyridine 673-09-6, 4-(4-Pyridinylthio)aniline 872-31-1, 3-Bromothiophene 1083-48-3, 4-(4-Nitrobenzyl)pyridine 1121-78-4, 5-Hydroxy-2-methylpyridine 1849-36-1 1918-79-2, 5-Methyl-2-thiophenecarboxylic acid 2033-89-8, 3,4-Dimethoxyphenol 2103-88-0,

2-Mercapto-4-phenylthiazole 3678-63-5 4418-61-5, 5-Aminotetrazole 4548-45-2, 2-Chloro-5-nitropyridine 4556-23-4, 4-Mercaptopyridine 4595-59-9, 5-Bromopyrimidine 5469-26-1, 1-Bromo-3,3-dimethyl-2-butanone 7379-35-3, 4-Chloropyridine hydrochloride 21101-60-0, 4-(4-Nitrophenylthio)phenol 22948-02-3, 3-Aminothiophenol 29264-35-5, 4-(3-Carboxy-4-hydroxyphenoxy)-1-nitrobenzene 29509-06-6, 3-Oxo-4-methylpentanenitrile 36265-31-3, 4-(4-Methylthiophenoxy)-1-nitrobenzene 41195-90-8, 2,3-Dichlorophenyl isocyanate 42732-49-0, 3-Hydroxy-5-methylpyridine 55809-36-4, 3-Amino-5-tert-butyloxazazole 59377-19-4, 4-Phenoxyphenyl isocyanate 59669-59-9, 5-Amino-3-tert-butyloxazazole 59669-71-5, 3-tert-Butyl-5-isoxazolyl isocyanate 59997-51-2, 4,4-Dimethyl-3-oxopentanenitrile 73322-01-7, 4-(2-Pyridinylthio)-1-nitrobenzene 76536-99-7, 5-Methyl-2-thiophene isocyanate 82560-12-1, 5-Amino-3-tert-butyloxazole 91512-42-4, 3-(2-Benzothiazolylloxy)aniline 102877-78-1, 4-(4-Pyridinylloxy)aniline 118430-73-2, 5-Amino-3-tert-butyl-1-methylpyrazole 120771-21-3, 5-Amino-4-methyl-3-tert-butyloxazazole 160040-74-4, 4-(4-Methylphenoxy)phenyl isocyanate 175137-03-8 229003-21-8 229003-22-9 229003-23-0 229003-24-1 229003-25-2

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactant; prepn. of substituted heterocyclic ureas for treatment of cancerous cell growth mediated by raf kinase)

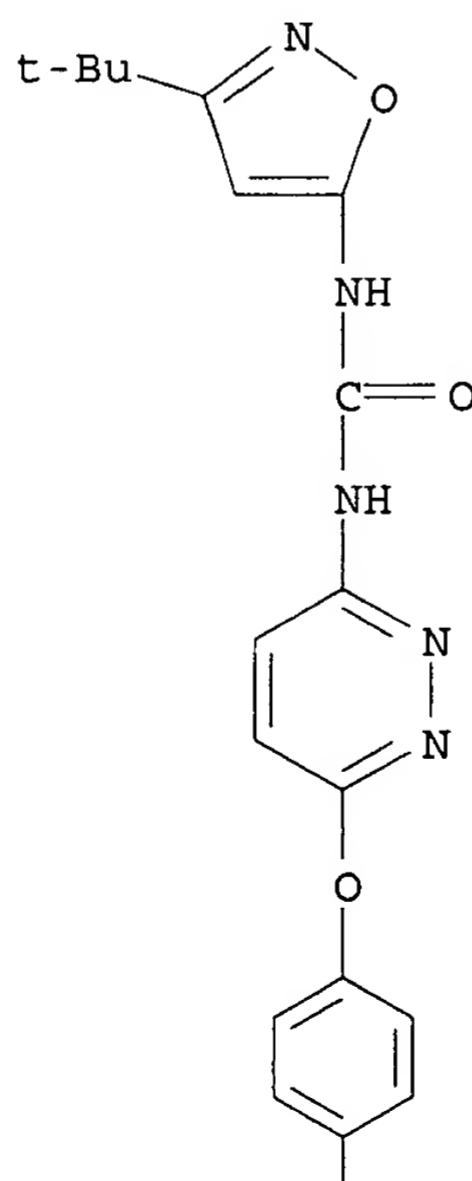
IT 229001-33-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of substituted heterocyclic ureas for treatment of cancerous cell growth mediated by raf kinase)

RN 229001-33-6 HCPLUS

CN Urea, N-[3-(1,1-dimethylethyl)-5-isoxazolyl]-N'-[6-[4-(methylthio)phenoxy]-3-pyridazinyl]- (9CI) (CA INDEX NAME)

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